MECH
CHINA WELL-KNOWN TRADE MADE MARK

济南玫德铸造有限公司
JINAN MEIDE CASTING CO.,LTD.
济南玛钢股份有限公司
JINAN MALLEABLE IRON INCORPORATED COMPANY

济南玫德概况

JINAN MEIDE BRIEF INTRODUCTION

我公司生产玛钢管件已有40多年的历史，年生产能力20万余吨。是目前中国、亚洲乃至世界最大的管路连接件专业生产厂家之一。

我公司主要生产迈克牌美标、德标、英标三大系列的玛钢管件。品种齐全，规格从1／8″到6″。广泛应用于各种煤气、蒸汽、水、油等管路的连接。我公司还引进台湾、南韩自动化生产设备，采用南韩优质钢管，生产玛钢管件配套的美标、英标、德标钢管接头接管。从1／8″到6″各种规格和长度均可生产，年产2万余吨。近年来，我公司又成功开发了球铁沟槽管件，生产能力已达4万吨。

为满足客户需求，我公司还备有铜管件、球铁管件、灰铸铁管件、Beam夹子、管道夹子、管道支架、框架连接件、手轮、接线盒和各种材料的阀体(玛钢、球铁、灰铁和青铜)等新产品。也可根据客户要求，开发各种玛钢、球铁、灰铸铁等铸造产品。

我公司严格按照IS09001标准组织生产，已先后获得中国、美国、英国等多个国家的ISO9001质量体系认证证书。并获有美国UL／FM／NSF、加拿大CSA／CUL、德国DVGW／TUV，韩国KS、土耳其TSE、新加坡PSB、日本JIS、英国BSI、以色列SII等产品质量认证证书。通过环境治理取得ISO14001环境体系认证，我公司的“迈克”商标已在世界80多个国家注册，并被中国工商总局评为“中国驰名商标”。

“迈克”牌产品畅销五大洲，深得用户一致好评。

With a history of more than 40 years, and 200,000 Metric Tons annual output, we are one of the largest manufacturers of Malleable Iron Pipe Fitting in Chna, Asia and even in the world.

We produce Malleable Iron Pipe Fittings with “ ” brand, which can be divided into three standards; American standard, Din standard and British standard. The sizes are from 1/8” to 6”, widely used in various pipelines to convey gas, water, oil and so on. And we produce high quality American standard, British standard, Din standard Steel Pipe Nipples with automatic equipments from Taiwan and South Korea, by using high quality pipe from South Korea. The Diameter is from 1/8” to 6”, length is in accordance with the order and requirement, the annual output is over 20,000 Metric Tons. Recently we succeeded in developing the Ductile Iron Grooved Couplings & Fittings with the output around40,000 Metric Tons a Ayear.

In order to meet the requirement of customer, we have developed some new products:Cast bronze Fittings, Ductile Iron Threaded Pipe Fittings, Beam Clamps, Pipe Clamps, Pipe Hangers, Pipe Supporters and Rollers, Guardrail Clamps, Cast Iron Threaded Pipe Fittings, Handle Wheels and Electric Conduit Bodies, Valve Bodies(Malleable, ?Ductile and Cast Iron), etc. And we can produce other Malleable, Ductile and Cast Iron products according to customers requirements.

We have established the quality management system conforming to ISO 9001, and have got the certificates, certified by BVQI (France),recognized by China and America and Britain. In order to enhance our accountabililty for environment, the evironmental management system to ISO 14001 has been assessed and registered by BVQI (France).

Part of our products have been tested, listed, approved by some predominant labs and bodies, such as UL(USA),FM(USA),NSF(USA),CUL(Canada),CSA(Canada),KS(Korea),DVGW(Germany)TUV(Germany),TSE(Turkey)and PSB(Singapore).JIS(Japan),BSI(England),SII(Israel).

The “China Well-Known Trade Mark” “ ” has been registered over 80 countries, and distributed to these countries accordingly.

公司简介 BRIEF INTRODUCTION

产品认证 CERTIFICATE

玛钢管件螺纹基本尺寸

BASIC DIMENSIONS FOR MALLEABLE IRON THREADED FITTINGS

美标玛钢管件 MALLEABLE IRON PIPE FITTING WITH AMERICAN STANDARD

英标玛钢管件 MALLEABLE IRON PIPE FITTING WITH BRITISH STANDARD

德标玛钢管件 MALLEABLE IRON PIPE FITTING WITH DIN STANDARD

球铁管件 DUCTILE IRON PIPE FITTING

灰铸铁管件 CAST IRON PIPE FITTING

铜管件 BRONZE FITTING

框架连接件 PIPECLAMP FITTING

铜管接头 钢管接头 钢管接管

BRASS PIPE NIPPLE/STEEL PIPE INPPLE/STEEL MERCHANT COUPLING

玛钢煤气连接件 MALLEABLE IRON GAS FITTING

玛钢接线盒 MALLEABLE IRON CONDUIT BODY

球铁沟槽管件 DUCTILE IRON GROOVED FITTING

玫德产品认证

JINAN MEIDE CERTIFICATE

CERTIFICATE

管理体系认证证书

济南玫德铸造有限公司
/济南玛钢股份有限公司

GB/T 19001-2000 idt ISO 9001:2000标准要求

认证范围见附件

方圆标志认证集团

CERTIFICATE

管理体系认证证书

附件

方圆标志认证集团

IQNet

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and CQM
hereby certify that the organization

Jinan Meide Casting Co.,Ltd.
Jinan Malleable Iron Incorporated Company
No.3, Nanmen Road, Pingyin County, Jinan City, Shandong
P.R.China
Postcode :250400
is in conformity with
ISO 9001:2000 Standard

Cover the scope to the attachment

Issued on: 2006-06-14
Validity date: 2009-06-13
Registration Number: CN-00206Q12351R1L-1

Dr. Pablo Rovere
President of IQNet

Zhang Wei
CEO of CQM

IQNet

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and CQM
hereby certify that the organization

Attachment:

Organization	Address	postal code	Scope of Certification
Jinan Meide Casting Co.,Ltd /Jinan Malleable Iron Incorporated Company	No.3, Nanmen Road, Pingyin County, Jinan City, Shandong, P.R.China	250400	Design, development, production & sales of sanitary products and fire protection fittings
Jinan Malleable Iron Spiral Pipe Manufacturing Co.,Ltd	Cowrad Road, Ji-West Development Area, Pingyin, Jinan City, Shandong, P.R.China	250400	Design, development, production & sales of spiral steel pipes

Issued on: 2006-6-14
Validity date: 2009-6-13
Registration Number: 00206Q12351R1L-1

Dr. Pablo Rovere
President of IQNet

Zhang Wei
CEO of CQM

KITEMARK

LICENCE

No. KM 67015

BSI

PSB

Certificate of Conformity

PSB PRODUCT LISTING SCHEME

DIN DVGW

DVGW

Zertifikat über ein DIN-DVGW Prüfzeichen

certificate for a DIN-DVGW test mark

DVGW

Underwriters Laboratories Inc.

FM
APPROVED
Certificate of Compliance
¾ through 6 inch Nominal Sizes of Threaded
Malleable Iron Pipe Fittings
FM
APPROVED
Certificate of Compliance
Figure 321 Grooved Split Flanges
Figure 321G Grooved Flange Adapters
Figure 1N Grooved Pipe Couplings
and Reducing Couplings
Figure 1G Grooved Pipe Couplings
Figure 1GS Grooved Pipe Couplings
Figure 90S Short Radius Elbows
Figure 130S Short Radius Tees
In Various Sizes
Manufactured by: JINAN MEIDE CASTING CO., LTD.
No. 3 Nanmen Road
Pingyin, Jinan
P. R. China 250400
FM Approvals

BUREAU VERITAS
Certification
Certification
JINAN MEIDE CASTING CO., LTD.
JINAN MALLEABLE SPIRAL PIPE MANUFACTURING CO., LTD.
Bureau Veritas Certification certify that the Management System of the above
organization has been audited and found to be in accordance with the
requirements of the management system standards detailed below
STANDARD
ISO 14001:2004
SCOPE OF SUPPLY
DESIGN, MANUFACTURING AND SALES OF
PLUMBING, FIRE PREVENTION PRODUCTS AND
SPIRAL PIPES
23 AUGUST 2004
24 JUNE 2010
ANAB

BVQI
Certification
JINAN MEIDE CASTING CO., LTD.
(JINAN MALLEABLE IRON INCORPORATED COMPANY)
STANDARD
ISO 9001:2000
SCOPE OF SUPPLY
DESIGN, MANUFACTURING AND SALES OF
PLUMBING, FIRE PREVENTION PRODUCTS
AND SPIRAL PIPES
10 JANUARY 1997
20 MAY 2009

BVQI
Certificate
JINAN MEIDE CASTING CO., LTD.
(JINAN MALLEABLE IRON INCORPORATED COMPANY)
NO. 3 NANMEN ROAD, PINGYIN, JINAN, SHANDONG,
P.R. CHINA
Standard
ISO 9001:2000
Scope of supply
MANUFACTURING & SALES OF PLUMBING, FIRE PREVENTION
PRODUCTS AND SPIRAL PIPES
10 January 1997
26 June 2009
26 June 2010

BVQI
Certification
JINAN MEIDE CASTING CO., LTD.
(JINAN MALLEABLE IRON INCORPORATED COMPANY)
STANDARD
ISO 9001:2000
SCOPE OF SUPPLY
DESIGN, MANUFACTURING AND SALES OF
PLUMBING, FIRE PREVENTION PRODUCTS
AND SPIRAL PIPES
10 JANUARY 1997
29 MAY 2009
ANAB

한국산업규격 표시인증서
산업표준화법 제18조의 규정에 의한 인증심사를 실시한 결과 한국산업규격과
인증심사기준에 적합하므로 산업표준화법 제11조(제12조 · 제13조)의 규정에 의하여
위와 같이 한국산업규격표시를 인증합니다.
년 월 일
한국표준협회장

KSA
JIS MARK CERTIFICATE
JINAN MEIDE CASTING Co., Ltd.
Korean Standards Association hereby certifies the JIS Mark factory
in accordance with the provision of Article 25-2 Paragraph 1
of the Japanese Industrial Standardization Law as follows
JIS R 2301 : SCREWED TYPE MALLEABLE CAST IRON PIPE FITTINGS
SCREWED TYPE MALLEABLE CAST IRON PIPE FITTINGS
KOREAN STANDARDS ASSOCIATION

Certificado de Marca de Conformidade ABNT
Nº 143.052/06
Jinan Meide Casting Co., Ltd
Nº 03 Nanmen Road – Pingyin - Jinan
Shandong – P.R. China - 250400
H-Mech Tubos e Conexões Ltda
Conexões de ferro fundido maleável, com rosca NBR NM-ISO 7-1,
para tubulações
(conforme anexo)
ABNT NBR 6943:2009
13 de dezembro de 2009

Dimenstion, External and internal Straight Pipe Thread for Locknut Connections, NPSL (Loose Fittings Mechnical Joints)

缩紧螺母连接用内、外直管螺纹，NPSL（自由配合的机械连接）

Dimensions in inches 尺寸：英寸

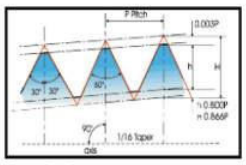
Nominal Pipe Size 公称管子尺寸	O.D.of Pipe D 管子外径	Threads Inch N 每英寸牙数	External Thread 外螺纹			Internal Threads 内螺纹		
			Maximum Major Diameter 最大大径	Pitch Diameter 中径		Minimum Minor Diameter 最小小径	Pitch Diameter 中径	
				Maximum 最大值	Minimum 最小值		Maximum 最大值	Minimum 最小值
1	2	3	4	5	6	7	8	9
1/8	0.405	27	0.409	0.384	0.3805	0.362	0.3863	0.3989
1/4	0.540	18	0.541	0.5038	0.4986	0.47	0.5073	0.5125
3/8	0.675	18	0.678	0.6409	0.9357	0.607	0.9444	0.6496
1/2	0.840	14	0.844	0.7963	0.7896	0.753	0.8008	0.8075
3/4	1.050	14	1.054	1.0067	1.0000	0.964	1.0112	1.0179
1	1.315	11.5	1.318	1.2604	1.2523	1.208	1.2658	1.2739
11/4	1.660	11.5	1.63	1.6051	1.5970	1.553	1.6106	1.6187
11/2	1.900	11.5	1.902	1.8441	1.8360	1.792	1.8495	1.8576
2	2.375	11.5	2.376	2.318	2.3099	2.265	2.3234	2.3315
21/2	2.875	8	2.877	2.7934	2.7817	2.718	2.8012	2.8129
3	3.500	8	3.503	3.4198	3.4081	3.344	3.4276	3.4393
31/2	4.000	8	4.003	3.9201	3.9084	3.845	3.9279	3.9396
4	4.500	8	4.502	4.4184	4.4067	4.343	4.4262	4.4379
5	5.563	8	5.564	5.4805	5.4688	5.405	5.4884	5.5001
6	6.625	8	6.62	6.5372	6.5255	6.462	6.545	6.5567

Note:This information is selected from the American Pipe Threads, ANSI/ASME B1.20.1–1983 Table 7: Dimenstion, External and Internal Straight Pipe Thread for Locknut Connections, NPSL Loose Fittings Mechnical Joints.

备注：以上信息选自美国管螺纹标准：ANSI/ASME B1.20. 1-1983，表7：缩紧螺母连接用内、外直管螺纹，NPSL（自由配合的机械连接）

Basic dimensions for American Standard Malleable Iron Threaded Fittings

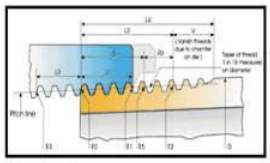
美国玛钢管件螺纹基本尺寸



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

Basic Dimensions of American National Standard Taper Pipe Thread, NPT

美国国家标准椎管螺纹基本尺寸

NPS 公称管子尺寸	O.D.of Pipe (D) 管子外径	Threads/in (N) 每英寸牙数	Pitch of Thread(P) 螺距	Pitch Dia.at Beginning of External(E_0) 外螺纹起始端的中径	Handtight Engagement 手旋合			Effective Thread: External 有效螺纹：外螺纹			Height of thread h 螺纹高度
					Length(L_1)长度		Dia/(E_1) 直径	Length(L_2)长度		Dia/(E_2) 直径	
					Inch英寸	Thread牙数		Inch英寸	Thread牙数		
1	2	3	4	5	6	7	8	9	10	11	22
1/8	0.405	27	0.037	0.363	0.161	4.36	0.373	0.263	7.12	0.38	0.029
1/4	0.540	18	0.055	0.477	0.227	4.1	0.491	0.401	7.23	0.502	0.044
3/8	0.675	18	0.055	0.612	0.612	4.32	0.627	0.407	7.34	0.637	0.004
1/2	0.840	14	0.071	0.758	0.758	4.48	0.778	0.533	7.47	0.791	0.057
3/4	1.050	14	0.071	0.967	0.967	4.75	0.988	0.545	7.64	1.001	0.057
1	1.315	11.5	0.086	1.213	1.213	4.6	1.238	0.682	7.85	1.256	0.069
11/4	1.660	11.5	0.086	1.557	1.557	4.83	1.583	0.706	8.13	1.601	0.069
11/2	1.900	11.5	0.086	1.796	1.796	4.83	1.822	0.723	8.32	1.841	0.069
2	2.375	11.5	0.089	2.269	2.269	5.01	2.296	0.756	8.7	2.316	0.069
21/2	2.875	8	0.125	2.719	2.719	5.46	2.762	1.137	9.1	2.79	0.1
3	3.500	8	0.125	3.34	3.34	6.13	3.388	1.2	9.6	3.415	0.1
31/2	4.000	8	0.125	3.837	3.837	6.57	3.388	1.25	10	3.915	0.1
4	4.500	8	0.125	4.334	4.334	6.75	4.387	1.3	10.4	4.415	0.1
5	5.563	8	0.125	5.39	5.39	7.5	5.449	1.406	11.25	5.478	0.1
6	6.625	8	0.125	6.446	6.446	7.66	3.505	1.512	12.21	6.54	0.1

Note:This information is selected from the American Pipe Threads, ANSI/ASME B1.20.1–1983 Table 2 Basic Dimensions of American National Standard Taper Pipe Thread,NPT.

备注：以上信息选自美国管螺纹标准：ANSI/ASME B1.20.1–1983,表2：美国国家标准椎管螺纹基本尺寸

Basic Dimensions for British and Din Standard Malleable Iron Threaded Fittings
英标、德标玛钢管件螺纹基本尺寸

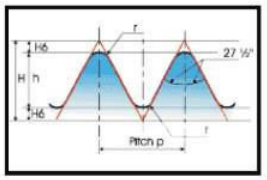
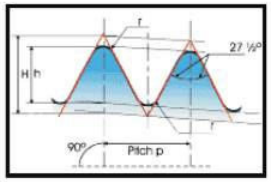
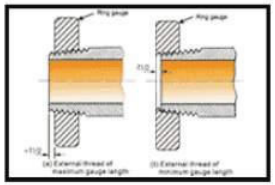


Fig 1 - Parallel thread
H = 0.960491 p
h = 0.640327 p
r = 0.137329 p



Taper 2 - Taper thread
H = 0.960237 p
H = 0.640327 p
r = 0.137278 p



(a) External thread of maximum gauge length
(b) External thread of minimum gauge length

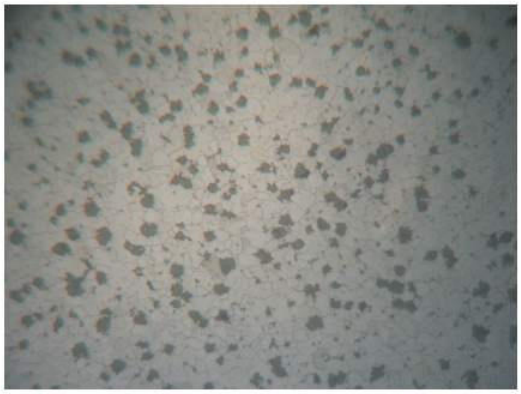
International Standard ISO7/1,Pipe Threads Dimensions
ISO 7/1 准椎螺纹基本尺寸

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Designations of thread size 螺纹标称	Number of threads in 25.4mm 每25.4毫米的牙数	pitch P 螺距	Height of thread h 螺纹高度	Diameters at gauge plane 规准面直径			Gauge Length(external thread) 规准长度（外螺纹）					Tolerance on position of gauge 内螺纹规准面位置		Length of useful external thread not less than 有效外螺纹长度不小于		
				Major (gauge diameter)d 大径	Pitch d2 中径	Minor dl 小径	Nominal 基本	Tolerance ± T1/2 公差		Maximum 最大	Minimum 最小	Tolerance ± T2/2 公差		For Nominal gauge length 基本规准长度	For maximum gauge length 最大规准长度	For minimum gauge length 最小规准长度
								0.9	Turns of threads 牙数			1.1	Turns of threads 牙数			
1/8	28	0.907	0.581	9.728	9.147	8.566	4		1	4.9	3.1		1 1/4	6.5	7.4	5.6
1/4	19	1.337	0.856	13.157	12.301	11.445	6	1.3	1	7.3	4.7	1.7	1 1/4	9.7	11	8.4
3/8	19	1.337	0.856	16.662	15.806	14.95	6.4	1.3	1	7.7	5.1	1.7	1 1/4	10.1	11.4	8.8
1/2	14	1.814	1.162	20.955	19.793	18.631	8.2	1.8	1	10	6.4	2.3	1 1/4	13.2	15	11.4
3/4	14	1.814	1.162	26.441	25.279	21.117	9.5	1.8	1	10	7.7	2.3	1 1/4	14.5	16.3	12.7
1	11	2.309	1.479	33.249	31.77	30.291	10.4	2.3	1	12.7	8.1	2.9	1 1/4	16.8	19.1	14.5
1 1/4	11	2.309	1.479	41.91	40.431	38.952	12.7	2.3	1	15	10.4	2.9	1 1/4	19.1	21.4	16.8
1 1/2	11	2.309	1.479	47.803	46.324	44.845	12.7	2.3	1	15	10.4	2.9	1 1/4	19.1	21.4	16.8
2	11	2.309	1.479	59.614	58.135	56.656	15.9	2.3	1	18.2	13.6	2.9	1 1/4	23	25.7	21.1
2 1/2	11	2.309	1.479	75.184	73.705	72.226	17.5	3.5	1 1/2	21	14	3.5	1 1/2	26.7	30.2	23.2
3	11	2.309	1.479	87.884	86.405	84.926	20.6	3.5	1 1/2	24.1	17.1	3.5	1 1/2	29.8	33.3	26.3
4	11	2.309	1.479	113.03	111.551	110.072	25.4	3.5	1 1/2	28.9	21.9	3.5	1 1/2	35.8	39.3	32.3
5	11	2.309	1.479	138.43	136.951	135.472	28.6	3.5	1 1/2	32.1	25.1	3.5	1 1/2	40.1	43.6	36.6
6	11	2.309	1.479	163.83	162.351	160.872	28.6	3.5	1 1/2	32.1	25.1	3.5	1 1/2	40.1	43.6	36.6

Note: This information is selected from the International Standard ISO7/1:2000:Pipe threads where pressure-tight joints, Table Table1
备注：以上信息选自国际标准ISO7/1：螺纹密封接头用管螺纹，表1。

Technical Information

1)Material
MECH Brand pipe fittings are made of black heart malleable cast iron.



Microstructure of the MECH Brand Black Heart Malleable Iron after annealing

2) Threads
a. MECH Brand class 150 pipe fittings: ANSI B1.20.1, ISO 7/1
b. MECH Brand extra heavy class 300 pipe fittings: ANSI B1.20.1, ISO 7/1
3) Pressure—Temperature Ratings

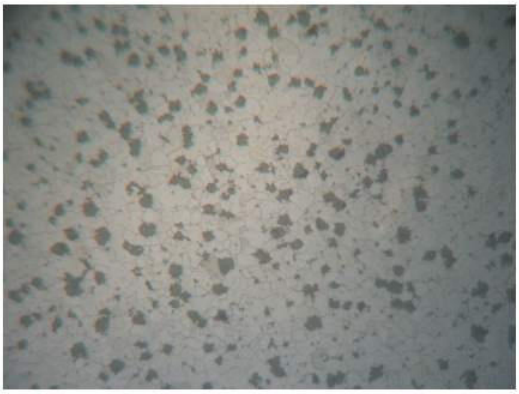
Pressure—Temperature Ratings are shown in the following table.

		Class 300, psig		
		Size	Size	Size
Temperature, °F	Class 150, psig	1/4-1	11/4-2	21/2-3
20 to 150	300	2000	1500	1000
200	265	1785	1350	910
250	225	1575	1200	825
300	185	1360	1050	735
350	150 Note(1)	1150	900	650
400	20 to 150	935	750	580
450	20 to 150	725	600	475
500	20 to 150	510	450	585
550	20 to 150	300	300	300

NOTE:
(1)Permissible for service temperature up to 366 ° F, reflecting the temperature of saturated steam at 150psig.

技术资料

材质
迈克牌玛钢管件的材质为黑心可锻铸铁。



退火后的黑心可锻铸铁金相图片

2）螺纹
a.迈克牌150磅玛钢管件：ANSI B1.20.1, ISO 7/1
b.迈克牌300磅玛钢管件：:ANSI B1.20.1, ISO 7/1

3）压力和温度的关系

压力–温度的关系如下表所示：

		Class 300, psig		
		Size	Size	Size
Temperature, °F	Class 150, psig	1/4-1	11/4-2	21/2-3
20 to 150	300	2000	1500	1000
200	265	1785	1350	910
250	225	1575	1200	825
300	185	1360	1050	735
350	150 Note(1)	1150	900	650
400	20 to 150	935	750	580
450	20 to 150	725	600	475
500	20 to 150	510	450	585
550	20 to 150	300	300	300

备注:
(1) 最大允许的工作温度为366° F，即150psi下饱和蒸汽的温度。

玛钢管件

美　　标

150磅玛钢管件

材　　质：ASTM A－197，ASTM A47
外形尺寸：ASME B16.3，B16.14 UNION B16.39
螺　　纹：ANSI B1.20.1
可供规格：1/8"－6"

MALLEABLE IRON PIPE FITTING

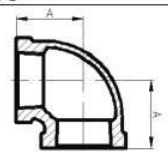
AMERICAN STANDARD

150 PSI MALLEABLE IRON PIPE FITTING

MATERIAL：ASTM A－197，ASTM A47
DIMENSIONS：ASME B16.3，B16.14
UNION DIMENSIONS：B16.39
THREADS：ANSI B1.20.1
SIZE AVAILABLE：1/8"－6"

	90	Elbow, 90°		240	Reducing Socket
	90R	Elbow, 90° reducing		241	Bushing, outside head
	90U	180° Return Elbow		241N	Bushing, inside head
	92	Street Elbow, 90°		280	Hexagon Nipple, equal
	92L	Extended Street Elbow		291	Plug, cored
	120	Elbow, 45°		291S	Plug, solid
	121	Street Elbow, 45° , equal		291N	Plug, countersunk
	130(同径)	Tee		291-4	Plug, bar head
	130R(侧大)	Tee, reducing		300	Cap
	130R(中小)	Tee, reducing		310	Locknut
	130R(中大)	Tee, reducing		321	Round Flange, with 4 bolt holes
	130R(异径)	Tee, reducing		321W	Round Flange, without bolt hole
	130R(侧小)	Tee, reducing		342	Union, conical joint, brass to iron seat
	T130	Tee		1221	Side Outlet Elbow, beaded
	134	Service Tee		1223	Side Outlet Tee
	165	Lateral Y Branches, 45°			
	180	Cross			
	180R	Cross, reducing			
	220	Socket			

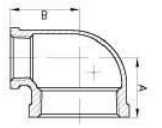
90
Elbow, 90°



Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
	mm	6	8	10	15	20	25	32	40	50	65	80	90
Dimensions /尺寸(mm.)	A	17.5	20.6	24.1	28.5	33.3	38.1	44.5	49.3	57.2	68.6	78.2	86.9

Size/规格	Inch	4	5	6									
	mm	100	125	150									
Dimensions /尺寸(mm.)	A	96.3	114.3	130.3									

90R
Elbow, 90° reducing



Size/规格	Inch	4×1/2	4×3/4	4×1	4×1 1/4	4×1 1/2	4×2	4×2 1/2	4×3	3/8×1/8	3/8×1/4	6×4	1/2×3/8
	mm	100×15	100×20	100×25	100×32	100×40	100×50	100×65	100×80	10×6	10×8	150×100	15×10
Dimensions /尺寸(mm.)	A	50	54	57	61	63	69	78	83.5	20.5	22	102	26
	B	79	80	83	86	86	87	90	91	21.5	22.5	125	26

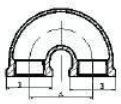
Size/规格	Inch	1/2×1/8	1/2×1/4	3/4×3/8	3/4×1/2	3/4×1/8	3/4×1/4	1×3/8	1×1/2	1×3/4	1×1/4	1 1/4×3/8	1 1/4×1/2
	mm	15×6	15×8	20×10	20×15	20×6	20×8	25×10	25×15	25×20	25×8	32×10	32×15
Dimensions /尺寸(mm.)	A	22	24	28.5	30.5	26	26.5	30	32	34.5	27	32	34
	B	23	24	28.5	31	27	27	32	35.5	36.5	31	36.5	38.5

Size/规格	Inch	1 1/4×3/4	1 1/4×1	1 1/2×1/2	1 1/2×3/4	1 1/2×1	1 1/2×1 1/4	2×1/2	2×3/4	2×1	2×1 1/4	2×1 1/2	2 1/2×1/2
	mm	32×20	32×25	40×15	40×20	40×25	40×32	50×15	50×20	50×25	50×32	50×40	65×15
Dimensions /尺寸(mm.)	A	36.5	40	35	38.5	41.5	46	38	40.5	43.5	48	51	41
	B	41	42	42	44.5	45.5	47.5	48	50	51	53	54.5	57

Size/规格	Inch	2 1/2×3/4	2 1/2×1	2 1/2×1 1/4	2 1/2×1 1/2	2 1/2×2	3×1/2	3×3/4	3×1	3×1 1/4	3×1 1/2	3×2	3×2 1/2
	mm	65×20	65×25	65×32	65×40	65×50	80×15	80×20	80×25	80×32	80×40	80×50	80×65
Dimensions /尺寸(mm.)	A	44	48	52	55	60	43	46	50	55	58	64	71.5
	B	58	60	62	62	66	65	66	68	70	72	73	75.5

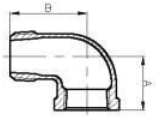
Size/规格	Inch	1/4×1/8											
	mm	8×6											
Dimensions /尺寸(mm.)	A	18.5											
	B	19											

90U
180° Return Elbow



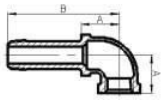
Size/规格	Inch	2											
	mm	50											
Dimensions /尺寸(mm.)	A	101.6											
	B	75.1											

92
Street Elbow, 90°



Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	
	mm	6	8	10	15	20	25	32	40	50	65	80	100
Dimensions /尺寸(mm.)	A	17.5	20.6	24.1	28.5	33.3	38.1	44.5	49.3	57.2	68.6	78.2	96.3
	B	25.4	30.2	36.6	41.2	48.0	54.4	62.2	68.3	82.8	98.0	114.6	144.5

92L
Extended Street Elbow

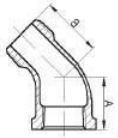


Size/规格	Inch	1/2											
	mm	15											
Dimensions /尺寸(mm.)	A	28.5											
	B	34											

120
Elbow, 45°

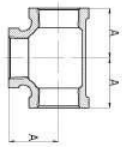
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
	mm	6	8	10	15	20	25	32	40	50	65	80	100	150
Dimensions /尺寸(mm.)	A	16	18.5	20	22	24.5	28.5	32.5	36	42.5	49.5	55	66	88

121
Street Elbow, 45° , equal



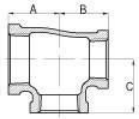
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	mm	6	8	10	15	20	25	32	40	50	65	80	100
Dimensions /尺寸(mm.)	A	16	18.5	20	22	24.5	28.5	32.5	36	42.5	49.5	55	66
	B	21	24	26	29	32.5	37	43	47.5	56	56	76	94

130 (同径)
Tee



Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	3	2 1/2	3	3 1/2
	mm	6	10	10	15	20	25	32	40	50	65	80	90
Dimensions /尺寸(mm.)	A	17.5	20.6	24.1	28.5	33.3	38.1	44.5	49.3	57.2	68.6	78.2	86.9
Size/规格	Inch	4	5	6									
	mm	100	125	150									
Dimensions /尺寸(mm.)	A	96.3	114.3	130.3									

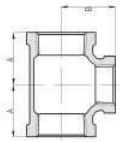
130R (侧大)
Tee, reducing



Size/规格	Inch	3/4×1/2×1/2	1×1/2×1/2	1×3/4×3/4	1 1/4×1/2×1/2	1 1/4×3/4×3/4	1 1/4×1×1	1 1/2×1/2×1/2	1 1/2×3/4×3/4	1 1/2×1×1	1 1/2×1 1/4×1 1/4	2×3/4×3/4
	mm	20×15×15	25×15×15	25×20×20	32×15×15	32×20×20	32×25×25	40×15×15	40×20×20	40×25×25	40×32×32	50×20×20
Dimensions /尺寸(mm.)	A	30.5	32	34.8	34	36.8	40.1	37	38	41.9	46.2	41
	B	28.5	28.5	33.3	27	33.3	38.1	26	32	38.1	44.5	32
	C	31	35.5	36.8	38	41.2	42.4	43	43	45.1	47.8	49

Size/规格	Inch	2×1×1	2×1 1/4×1 1/4	2×1 1/2×1 1/2	2 1/2×2×2	3×2×2						
	mm	50×25×25	50×32×32	50×40×40	65×50×50	80×50×50						
Dimensions /尺寸(mm.)	A	46	48.3	51.3	60.7	64						
	B	44.5	44.5	49.3	57.2	57.2						
	C	47.5	53.3	54.9	66	73.4						

130R (中小)
Tee, reducing



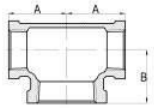
Size/规格	Inch	1/4x1/8	3/8x1/8	3/8x1/4	1/2x3/8	1/2x1/8	1/2x1/4	3/4x3/8	3/4x1/2	3/4x1/4	1x3/8	1x1/2	1x3/4	1x1/4
	mm	8x6	10x6	10x8	15x10	15x6	15x8	20x10	20x15	20x8	25x10	25x15	25x20	25x8
Dimensions /尺寸(mm.)	A	18.8	20.6	22.4	26.4	22	24.6	28.5	30.5	26.7	30	32	34.8	28
	B	19.3	21.6	22.9	26.2	23	24.9	28.7	31	27.4	32.3	35.5	36.8	31

Size/规格	Inch	1"x3/8	1"x1/2	1"x3/4	1"x1	1"x1/4	1"x3/8	1"x1/2	1"x3/4	1"x1	1"x1"/4	2X3/8	2X1/2	2X3/4
	mm	32x10	32x15	32x20	32x25	32x8	40x10	40x15	40x20	40x25	40x32	50x10	50x15	50x20
Dimensions /尺寸(mm.)	A	32	34	36.8	40.1	30	34	35.8	38.6	41.9	46.2	37	37.9	40.6
	B	36.6	38.9	41.2	42.4	36.5	39	42.2	44.5	45.7	47.8	46	47.8	50

Size/规格	Inch	2X1	2X1"/4	2X1"/2	2"/X1/2	2"/X3/4	2"/X1	2"/X1"/4	2"/X1"/2	2"/X2	3X1/2	3X3/4	3X1	3X1"/4
	mm	50x25	50x32	50x40	65x15	65x20	65x25	65x32	65x40	65x50	80x15	80x20	80x25	80x32
Dimensions /尺寸(mm.)	A	43.9	48.3	51.3	41	44.2	47.5	51.8	54.9	60.7	43	47.5	50.8	55.1
	B	51.3	53.3	54.9	57	58.9	60.2	62.7	63.8	66	65	66.3	67.6	69.6

Size/规格	Inch	3X1"/2	3X2	3X2"/2	4X1/2	4X3/4	4X1	4X1"/4	4X1"/2	4X2	4X2"/2	4x3	6x3	6x4
	mm	80x40	80x50	80x65	100x15	100x20	100x25	100x32	100x40	100x50	100x65	100x80	150x80	150x100
Dimensions /尺寸(mm.)	A	58.2	64	71.9	50	54	57	61	63.8	69.6	77.5	83.8	92.5	104.9
	B	71.1	73.4	76	79	80	83	84	84.3	86.6	89.2	91.4	120.7	125.5

130R (中大)
Tee, reducing

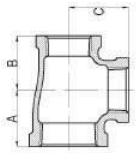


Size/规格	Inch	3/8x3/8x1/2	1/2x1/2x3/4	1/2x1/2x1	3/4x3/4x1	3/4x3/4x1"/4	1x1x1"/4	1x1x1"/2	1x1x2	1"/4x1"/4x1"/2	1"/4x1"/4x1"/2	1"/2x1"/2x1	1"/2x1"/2x2	2x2x2"/2
	mm	10x10x15	15x15x20	15x15x25	20x20x25	20x20x32	25x25x32	25x25x40	25X25X50	32X32X40	32X32X50	40X40X50	40X40X65	50X50X65
Dimensions /尺寸(mm.)	A	26.2	31	34.6	36.8	41.2	42.4	45.7	51.3	47.8	53.3	54.9	62	66
	B	26.4	30.5	32	34.8	36.8	40.1	41.9	48.9	46.2	48.3	51.3	55	60.7

130R (异径)
Tee, reducing

Size/规格	Inch	3/4x1/2x1	1x1/2x3/4	1x3/4x1/2	1"/4x1/2x3/4	1"/4x1/2x1	1"/4x3/4x1/2	1"/4x3/4x1	1"/4x1x1/2	1"/4x1x3/4	1"/4x1x1"/2	1"/2x1/2x3/4	1"/2x1/2x1
	mm	20x15x25	25x15x20	25x20x15	32x15x20	32x15x25	32x20x15	32x20x25	32x25x15	32x25x20	32x25x40	40x15x20	40x15x25
Dimensions /尺寸(mm.)	A	38	34.8	32	35	40.1	40	40.1	34	36.8	48	40	44
	B	33	31	30.5	29	34.5	37	36.8	32	34.8	46	30	34
	C	34	36.8	35.5	38	42.4	42.5	42.4	38.9	41.2	46	43	46

130R (异径)
Tee, reducing



Size/规格	Inch	1"/2x1/2"	1"/2x3/4x1/2	1"/2x3/4x1"	1"/2x3/4x1"/4	1"/2x1x1/2	1"/2x1x3/4	1"/2x1x1"/4	1"/2x1"/4x1/2	1"/2x1"/4x3/4	1"/2x1"/4x1"	1"/2x1"/2x2	2x1x1"/2
	mm	40×15×32	40×20×15	40×20×25	40×20×32	40×25×15	40×25×20	40×25×32	40×32×15	40×32×20	40×32×25	40×32×50	50×25×40
Dimensions /尺寸(mm.)	A	48	38	46	46	37	40	46.2	35.8	38.6	41.9	55	51.3
	B	38	29	42	41	32	35	42.4	34.5	36.3	40.1	53.5	45.7
	C	49	41	41.5	48	41	43	47.8	42.2	44.5	45.7	51.5	54.9

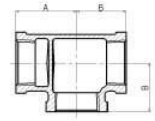
Size/规格	Inch	2x1"/4x1	2x1"/4x1"/2	2x1"/2x1/2	2x1"/2x3/4	2x1"/2x1	2x1"/2x1"/4	2"/2x1"/2x2					
	mm	50×32×25	50×32×40	50×40×15	50×40×20	50×40×25	50×40×32	65×40×50					
Dimensions /尺寸(mm.)	A	44	51.3	42	40.5	43.9	48.3	60.7					
	B	40	47.8	37	38.5	41.9	46.2	54.9					
	C	51	54.9	47	50	51.3	53.3	66					

130R (侧小)
Tee, reducing

Size/规格	Inch	1/2x3/8x1/2	1/2x1/4x1/2	3/4x1/2x3/4	1x1/2x1	1x3/4x1	1x1/4x1	1"/2x1/2x1"/4	1"/4x3/4x1"/4	1"/4x1"x1"/4	1"/2x1/2x1"/2	1"/2x3/4x1"/2	1"/4x1x1"/2
	mm	15×10×15	15×8×15	20×15×20	25×15×25	25×20×25	25×8×25	32×15×32	32×20×32	32×25×32	40×15×40	40×20×40	40×25×40
Dimensions /尺寸(mm.)	A	28.5	28.5	33.3	38.1	38.1	38	44.5	44.5	44.5	49.3	49.3	49.3
	B	26.2	24.9	31.6	35.5	36.8	30	38.9	41.2	42.4	42.2	44.5	45.7
	C	28.5	28.5	33.3	38.1	38.1	38	44.5	44.5	44.5	49.3	49.3	49.3

Size/规格	Inch	1"/2x1"/4x1"/2	2x1/2x2	2x3/4x2	2x1x2	2x1"/4x2	2x1"/2x2	2"/2x1"/2x2"/2	2"/2x2x2"/2	3x2x3			
	mm	40×32×40	50×15×50	50×20×50	50×25×50	50×32×50	50×40×50	65×40×65	65×50×65	80×50×80			
Dimensions /尺寸(mm.)	A	49.3	57.2	57.2	57.2	57.2	57.2	68.6	68.6	78.2			
	B	47.8	47.8	50	51.3	53.3	54.8	63.8	66	73.4			
	C	49.3	57.2	57.2	57.2	57.2	57.2	68.6	68.6	78.2			

T130
Tee



Size/规格	Inch	1"/4											
	mm	32											
Dimensions /尺寸(mm.)	A	55											
	B	45.5											

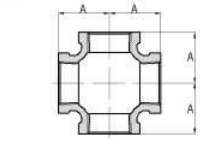
134
Service Tee

Size/规格	Inch	1/4	1/2	3/4	1	1 1/4	1 1/2	2					
	mm	8	15	20	25	32	40	50					
Dimensions /尺寸(mm.)	A	20.6	28.5	33.3	38.1	44.5	49.3	57.2					
	B	30.2	41.2	48	54.4	62.2	68.3	82.8					

165
Lateral Y Branches, 45°

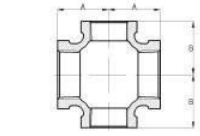
Size/规格	Inch	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4		
	mm	10	15	20	25	32	40	50	65	80	100		
Dimensions /尺寸(mm.)	A	12.7	15.5	18.3	21.6	25.9	27.9	31.5	38.6	43.4	51.1		
	B	36.3	43.4	52.1	61.7	74.2	83.3	99.8	120.1	141	177		

180
Cross



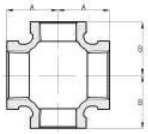
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	mm	6	8	10	15	20	25	32	40	50	65	80	100
Dimensions /尺寸(mm.)	A	17.5	20.6	24.1	28.5	33.3	38.1	44.5	49.3	57.2	68.6	78.2	96.3

180R
Cross, reducing



Size/规格	Inch	3/4×1/2	1×1/2	1×3/4	1 1/4×1/2	1 1/4×3/4	1 1/4×3/4×3/4	1 1/4×1	1 1/2×3/4	1 1/2×1	1 1/2×1 1/4	2×3/4	2×1
	mm	20×15	25×15	25×20	32×15	32×20	32×20×20×20	32×25	40×20	40×25	40×32	50×20	50×25
Dimensions /尺寸(mm.)	A	30.5	32	34.8	34	36.8	40	40.1	38.6	41.9	46.2	40.6	43.9
	B	31	35.5	36.8	38.9	41.2	34	42.4	44.5	45.7	47.8	50	51.3

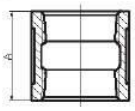
180R
Cross, reducing



Size/规格	Inch	2×1¼	2×1½	2½×1	2½×1¼	2½×1½	2½×2	3×1	3×1¼	3×1½	3×2	3×2½	4×1
	mm	50×32	50×40	65×25	65×32	65×40	65×50	80×25	80×32	80×40	80×50	80×65	100×25
Dimensions /尺寸(mm.)	A	48.3	51.3	47.5	51.5	54.9	60.7	50.5	55	58	64	71.9	57
	B	53.3	54.9	60.2	62.5	63.8	66	67.5	69.5	71	73.4	76	83

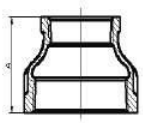
Size/规格	Inch	4×1¼	4×1½	4×2	4×2½	4×3							
	mm	100×32	100×40	100×50	100×65	100×80							
Dimensions /尺寸(mm.)	A	61	63.5	69.5	77.5	83.8							
	B	84	84	86.5	89	91.4							

220
Socket



Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1¼	1½	2	2½	3	4
	mm	6	8	10	15	20	25	32	40	50	65	80	100
Dimensions /尺寸(mm.)	A	24.4	26.9	29.5	34.0	38.6	42.4	49.0	54.6	64.3	73.2	80.8	93.0

240
Reducing Socket



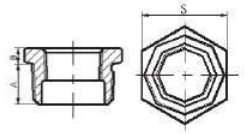
Size/规格	Inch	1/4×1/8	3/8×1/8	3/8×1/4	1/2×1/8	1/2×1/4	1/2×3/8	3/4×1/8	3/4×1/4	3/4×3/8	3/4×1/2	1×1/4	1×3/8
	mm	8×6	10×6	10×8	15×6	15×8	15×10	20×6	20×8	20×10	20×15	25×8	25×10
Dimensions /尺寸(mm.)	A	25.4	28.7	28.7	31.8	31.8	31.8	36.6	36.6	36.6	36.6	42.9	42.9

Size/规格	Inch	1×1/2	1×3/4	1¼×1/4	1¼×3/8	1¼×1/2	1¼×3/4	1¼×1	1½×1/4	1½×3/8	1½×1/2	1½×3/4	1½×1
	mm	25×15	25×20	32×8	32×10	32×15	32×20	32×25	40×8	40×10	40×15	40×20	40×25
Dimensions /尺寸(mm.)	A	42.9	42.9	52.3	52.3	52.3	52.3	52.3	58.7	58.7	58.7	58.7	58.7

Size/规格	Inch	1½×1¼	2×3/8	2×1/2	2×3/4	2×1	2×1¼	2×1½	2½×1/2	2½×3/4	2½×1	2½×1¼	2½×1½	2½×2
	mm	40×32	50×10	50×15	50×20	50×25	50×32	50×40	65×15	65×20	65×25	65×32	65×40	65×50
Dimensions /尺寸(mm.)	A	58.7	71.4	71.4	71.4	71.4	71.4	71.4	82.6	82.6	82.6	82.6	82.6	82.6

Size/规格	Inch	3×1/2	3×3/4	3×1	3×1¼	3×1½	3×2	3×2½	4×1	4×1¼	4×1½	4×2	4×2½	4×3
	mm	80×15	80×20	80×25	80×32	80×40	80×50	80×65	100×25	100×32	100×40	100×50	100×65	100×80
	A	93.7	93.7	93.7	93.7	93.7	93.7	93.7	111.3	111.3	111.3	111.3	111.3	111.3

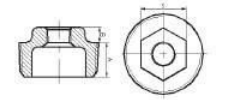
241
Bushing, outside head



Size/规格	Inch	1/4x1/8	3/8x1/8	3/8x1/4	1/2x1/8	1/2x1/4	1/2x3/8	3/4x1/8	3/4x1/4	3/4x3/8	3/4x1/2	1x1/2	1x3/4	1 1/4x3/4
	mm	8×6	10×6	10×8	15×6	15×8	15×10	20×6	20×8	20×10	20×15	25×15	25×20	32×20
Dimensions /尺寸(mm.)	A	11.2	12.2	12.2	14.2	14.2	14.2	16	16	16	16	19.1	19.1	20.3
	B	3.6	4.3	4.1	4.8	4.8	4.8	5.6	5.6	5.6	5.6	6.4	6.4	7.1
	C	16.3	17.3	17.3	22.1	22.1	22.1	29.2	29.2	29.2	29.2	36.1	36.1	44.7

Size/规格	Inch	1 1/4x1	1 1/2x1	1 1/2x1 1/4	2x1 1/4	2x1 1/2	2 1/2x1 1/4	2 1/2x2	3x2	3 1/2x3	4x3	4x3 1/2	5×4	6×5
	mm	32×25	40×25	40×32	50×32	50×40	65×40	65×50	80×50	90×80	100×80	100×90	125×100	150×125
Dimensions /尺寸(mm.)	A	20.3	21.1	21.1	22.4	22.4	27.2	27.2	28.7	30	31	31	33.3	35.6
	B	7.1	7.9	7.9	8.6	8.6	11.2	9.4	12.2	10.9	12.7	12.7	12.7	16
	C	44.7	50.8	50.8	63	63	68.1	75.7	83.3	117.3	117.3	132.1	147.1	179.1

241N
Bushing, inside head

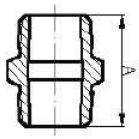


Size/规格	Inch	1x1/8	1x1/4	1x3/8	1 1/4x1/4	1 1/4x3/8	1 1/4x1/2	1 1/2x1/8	1 1/2x1/4	1 1/2x3/8	1 1/2x1/2	1 1/2x3/4	2x1/4
	mm	25×6	25×8	25×10	32×8	32×10	32×15	40×6	40×8	40×10	40×15	40×20	50×8
Dimensions /尺寸(mm.)	A	19.1	19.1	19.1	20.3	20.3	20.3	21.1	21.1	21.1	21.1	21.1	22.4
	B	7.6	7.6	7.6	8.6	8.6	8.6	9.4	9.4	9.4	9.4	9.4	10.4
	S	28.5	28.5	28.5	28.5	28.5	34	28.5	28.5	28.5	34	41.4	28.5

Size/规格	Inch	2x3/8	2x1/2	2x3/4	2x1	2 1/2x1/2	2 1/2x3/4	2 1/2x1	2 1/2x1 1/4	3x1/2	3x3/4	3x1	3x1 1/4
	mm	50×10	50×15	50×20	50×25	65×15	65×20	65×25	65×32	80×15	80×20	80×25	80×32
Dimensions /尺寸(mm.)	A	22.4	22.4	22.4	22.4	27.2	27.2	27.2	27.2	28.7	28.7	28.7	28.7
	B	10.4	10.4	10.4	10.4	11.2	11.2	11.2	11.2	12.2	12.2	12.2	12.2
	S	28.5	34	41.4	49.5	34	41.4	49.5	60.7	34	41.4	49.5	60.7

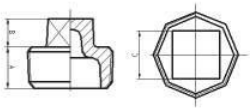
Size/规格	Inch	3x1 1/2	4x3/4	4x1	4x1 1/4	4x1 1/2	4x2	4x2 1/2	5x2	5x2 1/2	6x3	6x4	
	mm	80×40	100×20	100×25	100×32	100×40	100×50	100×65	125×50	125×65	150×80	150×100	
	A	28.7	31	31	31	31	31	31	33.3	33.3	35.6	35.6	
	B	12.2	17	15.2	15.2	15.2	15.2	15.2	15.2	15.2	19.1	19.1	
	S	68.1	41.5	49.5	60.7	68.1	83.3	98	83.3	98	117.3	147.1	

280
Hexagon Nipple, equal



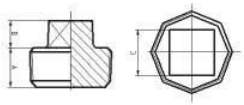
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2		
	mm	6	8	10	15	20	25	32	40	50	65		
Dimensions /尺寸(mm.)	A	29	36	38	43	45	52	56	58	65	72		

291
Plug, cored



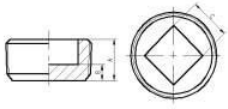
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	mm	6	8	10	15	20	25	32	40	50	65	80	100
Dimensions /尺寸(mm.)	A	9.4	11.2	12.2	14.3	16	19	20.3	21.1	22.4	27.2	28.7	38.5
	B	6.1	7.2	7.9	9.7	11.2	12.7	14.2	15.8	17.3	18.8	20.3	26
	C	7.2	9.6	11.1	14.3	15.9	20.6	23.8	28.6	33.3	38.1	42.9	55.2

291S
Plug, solid



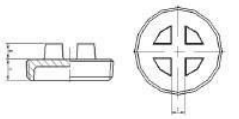
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	mm	6	8	10	15	20	25	32	40	50	65	80	100
Dimensions /尺寸(mm.)	A	9.4	11.2	12.2	14.3	16	19	20.3	21.1	22.4	27.2	28.7	38.5
	B	6.1	7.2	7.9	9.7	11.2	12.7	14.2	15.8	17.3	18.8	20.3	26
	C	7.2	9.6	11.1	14.3	15.9	20.6	23.8	28.6	33.3	38.1	42.9	55.2

291N
Plug, countersunk



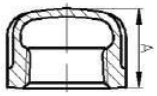
Size/规格	Inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4			
	mm	15	20	25	32	40	50	65	80	100			
Dimensions /尺寸(mm.)	A	14.2	16	19.1	20.3	21.1	22.4	27.2	28.7	31			
	B	4.1	4.6	5.1	5.6	6.1	6.6	7.4	7.9	9.4			
	C	9.5	12.7	12.7	19	19	22.2	28.6	34.9	50.8			

291－4
Plug, bar head



Size/规格	Inch	4	5	6									
	mm	100	125	150									
Dimensions /尺寸(mm.)	A	31	33.3	35.6									
	B	25.4	25.4	31.8									
	C	22.4	22.4	31.5									

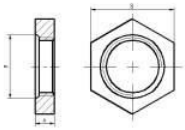
300
Cap



Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
	mm	6	8	10	15	20	25	32	40	50	65	80	90
Dimensions /尺寸(mm.)	A	13.5	16	18.8	22.1	24.6	29.5	32.5	33.8	36.8	43.2	45.7	48.3

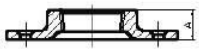
Size/规格	Inch	4	5	6									
	mm	100	125	150									
Dimensions /尺寸(mm.)	A	52.8	58.9	64.8									

310
Locknut



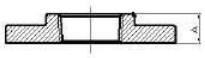
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2		
	mm	6	8	10	15	20	25	32	40	50	65		
Dimensions /尺寸(mm.)	A	4.9	6.4	7.2	7.9	8.6	9.7	10.7	11.9	13.5	15		
	F	12.7	16.8	19.6	24.6	31.2	38.1	47.2	53.8	66.8	80.8		
	S	17.5	21.3	25.4	30	36.3	44.5	53.3	59.7	73.2	88.9		

321
Round Flange, with 4 bolt holes



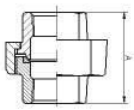
Size/规格	Inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2				
	mm	8	10	15	20	25	32	40	50				
Dimensions /尺寸(mm.)	A	12	14	14	16	17	19	22	25				

321W
Round Flange, without bolt hole



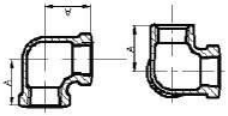
Size/规格	Inch	1/2	3/4	1	1 1/4	1 1/2	2						
	mm	15	20	25	32	40	50						
Dimensions /尺寸(mm.)	A	14	16	17	19	22	25						

342
Union, conical joint, brass to Iron Seat



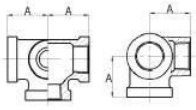
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
	mm	6	8	10	15	20	25	32	40	50	65	80	100	150
Dimensions /尺寸(mm.)	Amin	32	37	41	44	49.5	52.5	57.5	61.5	70	82	89	98	145

1221
Side Outlet Elbow, beaded



Size/规格	Inch	1/2	3/4	1	1 1/4	1 1/2	2						
	mm	15	20	25	32	40	50						
Dimensions /尺寸(mm.)	A	27	32	36	43	49	57						

1223
Side Outlet Tee



Size/规格	Inch	1/2	3/4	1									
	mm	15	20	25									
Dimensions /尺寸(mm.)	A	28	33	38									

玛钢管件

英　标

材　　质：ASTM A－197，ASTM A47
外型尺寸：BS EN 10242，BS 143&1256
螺　　纹：ISO7/1
可供规格：1/8″－6″

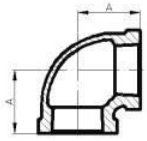
MALLEABLE IRON PIPE FITTING

BRITISH STANDARD

MATERIAL：ASTM A－197，ASTM A47
DIMENSIONS：BS EN 10242，BS 143&1256
THREADS：ISO7/1
SIZE AVAILABLE：1/8″－6″

	90	Elbow，90°
	90R	Elbow，90°，reducing
	92	Street Elbow，90°
	96	Union Elbow,F & F,conical joint iron to iron
	98	Union Elbow,M & F,conical joint iron to iron
	120	Elbow，45°
	130（同径）	Tee
	130R(中小)	Tee,reducing
	130R(中大)	Tee,reducing
	130R(侧大)	Tee,reducing
	130R(侧小)	Tee,reducing
	130R(异径)	Tee,reducing
	134	Service Tee,equal
	165	Lateral Y Branches,45°
	180	Cross
	180R	Cross,reducing
	220	Socket
	240	Socket,reducing
	241	Bushing
	270	Socket,parallel threads
	271	Coupling,left&right
	280	Hexagon Nipple，equal
	291	Plug
	300	Cap
	310	Locknut
	321-4	Flange BS 4504
	321-6	Flange 1600/4
	321-H	Flange
	321P	Flange DRP D
	321PW	Flange，U/D
	321TD	Flange，BS Table D
	330	Union,flat seat,hexagon,without gasket
	340	Union,conical joint,iron to iron seat
	341	Union,M&F,conical joint iron to iron seat
	342	Union，conical joint，brass to iron seat
	529A	Extension pieces(sockets M&F)，Equal
	529X	Extension Short Piece
	1221	Side Outlet Elbow
	1223	Side Outlet Tee
	1224	Side Outlet Tee
	SCC	Short Body Coupling
	TCC	Compression Tee
	LCC	Long Body Coupling

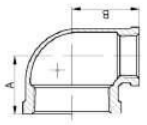
90
Elbow, 90°



Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	mm	6	8	10	15	20	25	32	40	50	65	80	100
Dimensions /尺寸(mm.)	A	17.5	20	23.5	26.5	31	36.5	43.5	47.5	55.5	67	75.5	94

Size/规格	Inch	5	6										
	mm	125	150										
Dimensions /尺寸(mm.)	A	114	128.5										

90R
Elbow, 90° , reducing

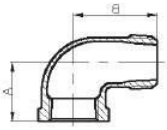


Size/规格	Inch	4×2	4×2 1/2	4×3	3/8×1/4	1/2×3/8	3/4×3/8	3/4×1/2	1×1/2	1×3/4	1 1/4×1/2	1 1/4×3/4	1 1/4×1
	mm	100×50	100×65	100×80	10×8	15×10	20×10	20×15	25×15	25×20	32×15	32×20	32×25
Dimensions /尺寸(mm.)	A	68	77	82	23	26	28	28.5	31	33	33	37	39
	B	86	89	90	23	26	28	29.5	32	34	37	39	41

Size/规格	Inch	1 1/2×1/2	1 1/2×3/4	1 1/2×1	1 1/2×1 1/4	2×1/2	2×3/4	2×1	2×1 1/4	2×1 1/2	2 1/2×1	2 1/2×1 1/4	2 1/2×1 1/2
	mm	40×15	40×20	40×25	40×32	50×15	50×20	50×25	50×32	50×40	65×25	65×32	65×40
Dimensions /尺寸(mm.)	A	34	37	40	44	37	40	43	47	51	46.5	50.5	53.5
	B	41	42	44	47	47	48	50	53	54	58.5	60	61

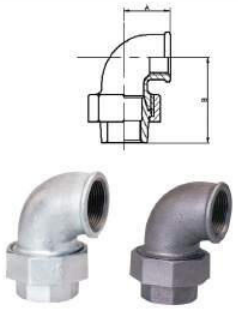
Size/规格	Inch	2 1/2×2	3×1 1/4	3×1 1/2	3×2	3×2 1/2							
	mm	65×50	80×32	80×40	80×50	80×65							
Dimensions /尺寸(mm.)	A	59	53.5	56.5	60.5	71							
	B	64	68	71	71	74							

92
Street Elbow, 90°



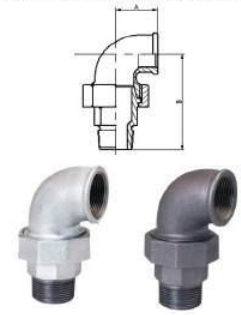
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	mm	6	8	10	15	20	25	32	40	50	65	80	100
Dimensions /尺寸(mm.)	A	17.5	20.5	24	26.5	31	37	45	47	55.5	67	75.5	95
	B	25	30	36.5	39	46	53	61	67	78	90	102	124

96
Union Elbows,F & F, conical joint iron to iron



Size/规格	Inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2				
	mm	8	10	15	20	25	32	40	50				
Dimensions /尺寸(mm.)	A	21	25	28	33	38	45	50	58				
	B	48	52	58	62	72	82	90	100				

98
Union Elbows,M & F, conical joint iron to iron

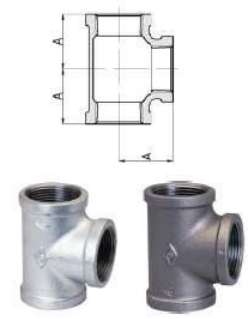


Size/规格	Inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2				
	mm	8	10	15	20	25	32	40	50				
Dimensions /尺寸(mm.)	A	21	25	28	33	38	45	50	58				
	B	61	65	76	82	94	110	122	131				

120
Elbow, 45°

Size/规格	Inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4			
	mm	15	20	25	32	40	50	65	80	100			
Dimensions /尺寸(mm.)	A	20	24	28	33	36	41	48	53	64			

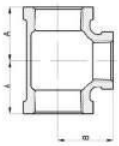
130 (同径)
Tee



Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	mm	6	10	10	15	20	25	32	40	50	65	80	100
Dimensions /尺寸(mm.)	A	17.5	20	23.5	26.5	31	36.5	43.5	47.5	55.5	67	75.5	94

Size/规格	Inch	5	6										
	mm	125	150										
Dimensions /尺寸(mm.)	A	114	128.5										

130R (中小)
Tee,reducing



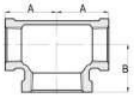
Size/规格	Inch	3/8×1/8	3/8×1/4	1/2×3/8	1/2×1/8	1/2×1/4	3/4×3/8	3/4×1/2	3/4×1/4	1×3/8	1×1/2	1×3/4	1×1/4
	mm	10×6	10×8	15×10	15×6	15×8	20×10	20×15	20×8	25×10	25×15	25×20	25×8
Dimensions /尺寸(mm.)	A	20.5	22	26	22	24	28	28.5	26.5	30	31	33	28
	B	21.5	22.5	26	23	24	28	29.5	27	32	32	34	31

Size/规格	Inch	1¼×3/8	1¼×1/2	1¼×3/4	1¼×1	1¼×1/4	1½×3/8	1½×1/2	1½×3/4	1½×1	1½×1¼	2×1/2	2×3/4
	mm	32×10	32×15	32×20	32×25	32×8	40×10	40×15	40×20	40×25	40×32	50×15	50×20
Dimensions /尺寸(mm.)	A	31	32.5	35	39	30	34	34.5	37	40	44	37	40
	B	35	37	39.5	41	36.5	39	41	42	44	47	47	48

Size/规格	Inch	2×1	2×1¼	2×1½	2½×1/2	2½×3/4	2½×1	2½×1¼	2½×1½	2½×2	3×3/4	3×1	3×1¼
	mm	50×25	50×32	50×40	65×15	65×20	65×25	65×32	65×40	65×50	80×20	80×25	80×32
Dimensions /尺寸(mm.)	A	43	47	51	40	43	47	51	54	59	45	49	54
	B	50	53	54	56	57	59	61	61	63.5	65	67	69

Size/规格	Inch	3×1½	3×2	3×2½	4×1	4×1¼	4×1½	4×2	4×2½	4×3			
	mm	80×40	80×50	80×65	100×25	100×32	100×40	100×50	100×65	100×80			
Dimensions /尺寸(mm.)	A	57	61	71	56	60	62	68	77	81.5			
	B	71	71	74	82	85	85	86	89	89.5			

130R (中大)
Tee,reducing

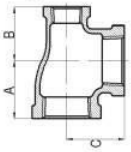


Size/规格	Inch	1/2×1/2×3/4	1/2×1/2×1	3/4×3/4×1	1×1×1¼	1×1×1½	1×1×2	1¼×1¼×1½	1¼×1¼×2	1½×1½×2	2×2×2½		
	mm	15×15×20	15×15×25	20×20×25	25×25×32	25×25×40	25×25×50	32×32×40	32×32×50	40×40×50	50×50×65		
Dimensions /尺寸(mm.)	A	30	33	36	42	45	51	48	54	55	64		
	B	29	32	34.5	40	41	44	45	48	52	59		

130R (侧大)
Tee,reducing

Size/规格	Inch	3/4×1/2×1/2	1×1/2×1/2	1×3/4×3/4	1 1/4×3/4×3/4	1 1/4×1×1	1 1/2×3/4×3/4	1 1/2×1×1	1 1/2×1 1/4×1	2×1×1	2×1 1/4×1	2×1 1/2×1	3×2×2
	mm	20×15×15	25×15×15	25×20×20	32×20×20	32×25×25	40×20×20	40×25×25	40×32×32	50×25×25	50×32×32	50×40×40	80×50×50
Dimensions /尺寸(mm)	A	30	32	34.5	36	44	38	41.5	46	46	44	51	64
	B	28	28	33	33	38	32	38	44.5	44.5	38	49	57
	C	31	34	36	41	42	43	45	47.5	47.5	51	55	73

130R (侧小)
Tee,reducing



Size/规格	Inch	3/4×1/2×3/4	1×1/2×1	1×3/4×1	1×1 1/4×1	1 1/4×3/4×1 1/4	1 1/4×1×1 1/4	1 1/2×1/2×1 1/2	1 1/2×3/4×1 1/2	1 1/2×1×1 1/2	1 1/2×1 1/4×1 1/2	2×1/2×2
	mm	20×15×20	25×15×25	25×20×25	25×8×25	32×20×32	32×25×32	40×15×40	40×20×40	40×25×40	40×32×40	50×15×50
Dimensions /尺寸(mm)	A	33	38	38	38	44.5	44.5	49	49	49	49	57
	B	31	35	36	30	41	42	42	44	45.5	47.5	47.5
	C	33	38	38	38	44.5	44.5	49	49	49	49	57

Size/规格	Inch	2×3/4×2	2×1×2	2×1 1/4×2	2×1 1/2×2							
	mm	50×20×50	50×25×50	50×32×50	50×40×50							
Dimensions /尺寸(mm)	A	57	57	57	57							
	B	50	51	53	54							
	C	57	57	57	57							

130R (异径)
Tee,reducing

Size/规格	Inch	3/4×1/2×1	1×1/2×3/4	1×3/4×1/2	1 1/4×1/2×3/4	1 1/4×1/2×1	1 1/4×3/4×1/2	1 1/4×3/4×1	1 1/4×1×1/2	1 1/4×1×3/4	1 1/2×3/4×1 1/4	1 1/2×1×1 1/4
	mm	20×15×25	25×15×20	25×20×15	32×15×20	32×15×25	32×20×15	32×20×25	32×25×15	32×25×20	40×20×32	40×25×32
Dimensions /尺寸(mm)	A	38	34.5	32	35	40	40	40	34	36.5	46	46
	B	33	31	30.5	29	34.5	37	36.5	32	34.5	41	42
	C	34	36.5	35.5	38	42	42.5	42	38.5	41	48	47.5

Size/规格	Inch	1 1/2×1 1/4×1/2	1 1/2×1 1/4×3/4	1 1/2×1 1/4×1	1 1/2×1 1/4×2	2×1 1/4×1	2×1 1/4×1 1/2	2×1 1/2×1/2	2×1 1/2×3/4	2×1 1/2×1	2×1 1/2×1 1/4	
	mm	40×32×15	40×32×20	40×32×25	40×32×50	50×32×25	50×32×40	50×40×15	50×40×20	50×40×25	50×40×32	
Dimensions /尺寸(mm)	A	35.5	38.5	41.5	55	44	51	42	40	43	47	
	B	34.5	36	40	53.5	40	47.5	37	38	41	45	
	C	42	44.5	45.5	51.5	51	54.5	47	50	50.5	52.5	

134
Service Tee,equal

Size/规格	Inch	1/2	3/4	1	1 1/4	1 1/2	2						
	mm	15	20	25	32	40	50						
Dimensions /尺寸(mm.)	A	28.5	33	38	44.5	49	57						
	B	41	48	54	62	68	82.5						

165
Lateral Y Branches,45°

Size/规格	Inch	1/2	3/4	1	1 1/4	2	2 1/2	3	4				
	mm	15	20	25	40	50	65	80	100				
Dimensions /尺寸(mm.)	A	15.5	18	21.5	28	31.5	38.5	43	51				
	B	43	51.5	61.5	83.5	99.5	120	139	177				

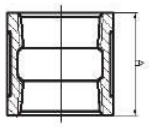
180
Cross

Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	mm	6	8	10	15	20	25	32	40	50	65	80	100
Dimensions /尺寸(mm.)	A	17.5	20	23.5	26.5	31	36.5	43.5	47.5	55.5	67	75.5	94

180R
Cross,reducing

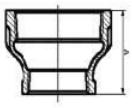
Size/规格	Inch	3/4×1/2	1×1/2	1×3/4	1 1/4×1/2	1 1/4×3/4	1 1/4×1	1 1/2×1/2	1 1/2×3/4	1 1/2×1	1 1/2×1 1/4	2×1/2	2×3/4
	mm	20×15	25×15	25×20	32×15	32×20	32×25	40×15	40×20	40×25	40×32	50×15	50×20
Dimensions /尺寸(mm.)	A	28.5	31	33	33	35	39	35	37	40	46	37	40
	B	29.5	32	34	37	39	41	42	42	44	47.5	47	48
Size/规格	Inch	2×1	2×1 1/4	2×1 1/2	3×1	3×1							
	mm	50×25	50×32	50×40	80×25	80×25							
Dimensions /尺寸(mm.)	A	43	47	51	49	50.5							
	B	50	53	54	67	67.5							

220
Socket



Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
	mm	6	8	10	15	20	25	32	40	50	65	80	100	150
Dimensions /尺寸(mm.)	A	24.5	26.5	29.5	33	37	43	49	53.5	59	69	74	83.5	104

240
Socket,reducing

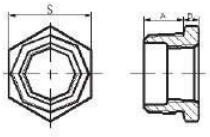


Size/规格	Inch	1/2x1/4	1/2x3/8	3/4x1/4	3/4x3/8	3/4x1/2	1x3/8	1x1/2	1x3/4	1 1/4x1/2	1 1/4x3/4	1 1/4x1	1 1/2x1/2
	mm	15x8	15x10	20x8	20x10	20x15	25x10	25x15	25x20	32x15	32x20	32x25	40x15
Dimensions /尺寸(mm.)	A	32	32	38	38	38	42	42	42	48	48	48	52

Size/规格	Inch	1 1/2x3/4	1 1/2x1	1 1/2x1 1/4	2x1/2	2x3/4	2x1	2x1 1/4	2x1 1/2	2 1/2x1 1/4	2 1/2x1 1/2	2 1/2x2	3x1 1/2
	mm	40x20	40x25	40x32	50x15	50x20	50x25	50x32	50x40	65x32	65x40	65x50	80x40
Dimensions /尺寸(mm.)	A	52	52	52	58	58	58	58	58	65	65	65	72

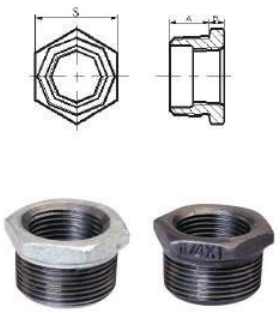
Size/规格	Inch	3x2	3x2 1/2	4x2	4x2 1/2	4x3							
	mm	80x50	80x65	100x50	100x65	100x80							
Dimensions /尺寸(mm.)	A	72	72	85	85	85							

241
Bushing



Size/规格	Inch	1/4x1/8	3/8x1/8	3/8x1/4	1/2x1/8	1/2x1/4	1/2x3/8	3/4x1/8	3/4x1/4	3/4x3/8	3/4x1/2	1x1/8
	mm	8x6	10x6	10x8	15x6	15x8	15x10	20x6	20x8	20x10	20x15	25x6
Dimensions /尺寸(mm.)	A	11.2	12.2	12.2	14.2	14.2	14.2	16	16	16	16	21
	B	3.6	4.3	4.1	4.8	4.8	4.8	5.6	5.6	5.6	5.6	7
	S	16.3	17.3	17.3	22.1	22.1	22.1	29.2	29.2	29.2	29.2	35

241
Bushing



Size/规格	Inch	1×3/8	1×1/2	1×3/4	1¼×1/4	1¼×3/8	1¼×1/2	1¼×3/4	1¼×1	1½×1/4	1½×3/8	1½×1/2
	mm	25×10	25×15	25×20	32×8	32×10	32×15	32×20	32×25	40×8	40×10	40×15
Dimensions /尺寸(mm.)	A	21	19.1	19.1	24	24	24	20.3	20.3	24	24	22
	B	7	6.4	6.4	8	8	8	7.1	7.1	8	8	9
	S	35	36.1	36.1	45	45	45	44.7	44.7	49	49	50

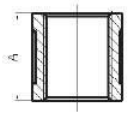
Size/规格	Inch	1½×3/4	1½×1	1½×1¼	2×1/8	2×3/8	2×1/2	2×3/4	2×1	2×1¼	2×1½	2½×1½
	mm	40×20	40×25	40×32	50×8	50×10	50×15	50×20	50×25	50×32	50×40	65×40
Dimensions /尺寸(mm.)	A	22	21.1	21.1	26	26	28	26.5	26	22.4	22.4	29
	B	9	7.9	7.9	9	9	11	11	9	8.6	8.6	11
	S	50	50.8	50.8	64	64	63.2	63.2	63.2	63	63	79

Size/规格	Inch	2½×1/2	2½×3/4	2½×1	2½×1¼	2½×2	3×1/2	3×3/4	3×1	3×1¼	3×1½	3×2
	mm	65×15	65×20	65×25	65×32	65×50	80×15	80×20	80×25	80×32	80×40	80×50
Dimensions /尺寸(mm.)	A	29	29	30	32	29	32	32	35	35	35	28.7
	B	11	11	12	12	11	12	12	13	13	13	12.2
	S	80	80	80	80	79	94	94	95	95	95	83.3

Size/规格	Inch	3×2½	3½×3	4×3/4	4×1	4×1¼	4×1½	4×2	4×2½	4×3	4×3½	5×3
	mm	80×65	90×80	100×20	100×25	100×32	100×40	100×50	100×65	100×80	100×90	125×80
Dimensions /尺寸(mm.)	A	32	31	37	37	37	37	36	41	31	31	46
	B	12	12	14	14	14	14	15	15	12.7	12.7	13
	S	94	118.1	121	121	121	121	120	120	117.3	132.1	145

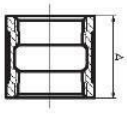
Size/规格	Inch	5×4	6×2	6×2½	6×3	6×4	6×5					
	mm	125×100	150×50	150×65	150×80	150×100	150×125					
Dimensions /尺寸(mm.)	A	33.3	40	40	40	40	35.6					
	B	12.7	29	29	29	29	16					
	S	147.1	172.8	172.8	172.8	172.8	179.1					

270
Socket,parallel threads



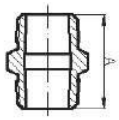
Size/规格	Inch	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4		
	mm	10	15	20	25	32	40	50	65	80	100		
Dimensions /尺寸(mm.)	A	29	32	36	42	48.5	53	59	68	72	82		

271
Coupling,left&right



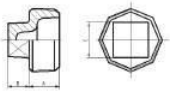
Size/规格	Inch	1/2	3/4	1	1 1/4	1 1/2	2						
	mm	15	20	25	32	40	50						
Dimensions /尺寸(mm.)	A	32	36	42	48.5	53	59						

280
Hexagon Nipple,equal



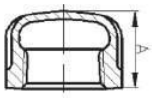
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
	mm	6	8	10	15	20	25	32	40	50	65	80	100	150
Dimensions /尺寸(mm.)	A	29	36	38	43	45	52	56	58	65	72	80	92	110

291
Plug



Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
	mm	6	8	10	15	20	25	32	40	50	65	80	100	150
Dimensions /尺寸(mm.)	A	9.5	12	12.8	15	17	19.5	20.6	21.6	22.6	28	28.9	38.5	41.5
	B	6.5	7.5	8.2	10	11	13	14.5	16	17.5	18	21	26	30
	C	7.4	8.2	10	11.5	12.8	16	19	23	26.6	32	35	44.5	66.5

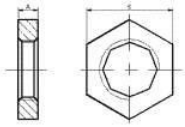
300
Cap



Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	mm	6	8	10	15	20	25	32	40	50	65	80	100
Dimensions /尺寸(mm.)	A	13	15	17	19	22	24	27	30	32	35	38	45

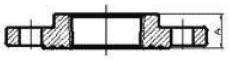
Size/规格	Inch	5	6										
	mm	125	150										
Dimensions /尺寸(mm.)	A	54	61										

310
Locknut



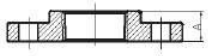
Size/规格	Inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	
	mm	8	10	15	20	25	32	40	50	65	80	100	
Dimensions /尺寸(mm.)	A	6	7	8	9	10	11	12	13	16	19	23	
	B	22	27	32	36	46	55	60	75	95	105	135	

321－4
Flange BS 4504



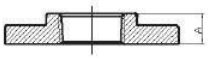
Size/规格	Inch	1 1/4	1 1/2	2	2 1/2	3	4	6					
	mm	32	40	50	65	80	100	150					
Dimensions /尺寸(mm.)	A	23	23	28	35	38	38	46					

321－6
Flange 1600/4



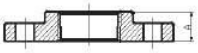
Size/规格	Inch	1 1/4	1 1/2	2	2 1/2	3	4	6					
	mm	32	40	50	65	80	100	150					
Dimensions /尺寸(mm.)	A	20	20	22	26	28	34	40					

321－H
Flange



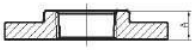
Size/规格	Inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4			
	mm	15	20	25	32	40	50	65	80	100			
Dimensions /尺寸(mm.)	A	15	16	19	21	21	26	30	33	39			

321P
Flange DRP D



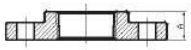
Size/规格	Inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	
	mm	15	20	25	32	40	50	65	80	100	125	150	
Dimensions /尺寸(mm.)	A	15	16	19	21	21	26	30	33	39	40	40	

321PW
Flange ,U/D



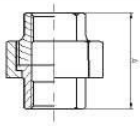
Size/规格	Inch	2	2 1/2	3	4								
	mm	50	65	80	100								
Dimensions /尺寸(mm.)	A	26	30	33	39								

321TD
Flange ,BS table D



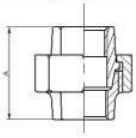
Size/规格	Inch	1	1 1/4	1 1/2	2	2 1/2	3	4	6				
	mm	25	32	40	50	65	80	100	150				
Dimensions /尺寸(mm.)	A	16	17.4	23	25	25	26.8	31.5	35				

330
Union,flat seat,hexagon,without gasket



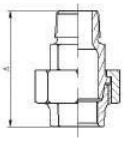
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
	mm	6	8	10	15	20	25	32	40	50	65	80	100	150
Dimensions /尺寸(mm.)	A	33.5	36.5	40	43.5	51.5	53	56	59.5	68.5	83	94	113	144

340
Union,conical joint,iron to iron seat



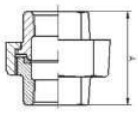
Size/规格	Inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	
	mm	8	10	15	20	25	32	40	50	65	80	100	
Dimensions /尺寸(mm.)	A	42	45	48	52	58	63	64	78	85	95	110	

341
Union,M&F,conical joint,iron to iron seat



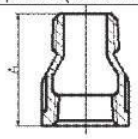
Size/规格	Inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2				
	mm	8	10	15	20	25	32	40	50				
Dimensions /尺寸(mm.)	A	55	58	66	72	80	90	95	106				

342
Union, conical joint, brass to iron seat



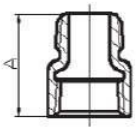
Size/规格	Inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
	mm	6	8	10	15	20	25	32	40	50	65	80	100	150
Dimensions /尺寸(mm.)	A	32	37	41	44	49.5	52.5	57.5	61.5	70	82	89	98	145

529A
Extension pieces(sockets M&F), equal



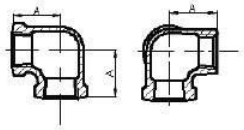
Size/规格	Inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	
	mm	8	10	15	20	25	32	40	50	65	80	100	
Dimensions /尺寸(mm.)	A	33	36	42	47	52	58	61	67	76	83	94	

529X
Extension Short Piece



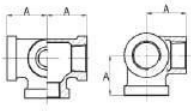
Size/规格	Inch	1/2											
	mm	15											
Dimensions /尺寸(mm.)	A	32											

1221
Side Outlet Elbow



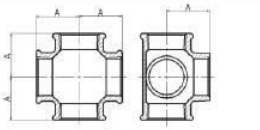
Size/规格	Inch	3/8	1/2	3/4	1								
	mm	10	15	20	25								
Dimensions /尺寸(mm.)	A	25	28	33	38								

1223
Side Outlet Tee



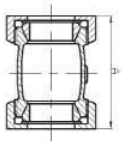
Size/规格	Inch	1/2	3/4	1	1 1/4								
	mm	15	20	25	32								
Dimensions /尺寸(mm.)	A	28	33	38	45								

1224
Side Outlet Tee



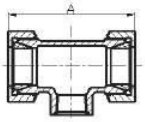
Size/规格	Inch	1 1/4	1 1/2										
	mm	32	40										
Dimensions /尺寸(mm.)	A	45	50										

SCC
Short Body Coupling



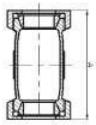
Size/规格	Inch	1/2	3/4	1	1 1/4	1 1/2	2						
	mm	15	20	25	32	40	50						
Dimensions /尺寸(mm.)	A	62	69	73	79	79	84						

TCC
Compression Tee



Size/规格	Inch	1/2	3/4										
	mm	15	20										
Dimensions /尺寸(mm.)	A	36	39.5										
	B	80	88										

LCC
Long Body Coupling



Size/规格	Inch	1/2	3/4	1	1 1/4	1 1/2	2						
	mm	15	20	25	32	40	50						
Dimensions /尺寸(mm.)	A	93	101	109	114	118	121						

铜管接头

美　　标
管　　子：ASTM B43
螺　　纹：ANSI B1.20.1
英　　标
螺　　纹：ISO7/1
德　　标
螺　　纹：DIN2999

BRASS PIPE NIPPLE

AMERICAN STANDARD
PIPE：ASTM B43
THREADS：ANSI B1.20.1
BRITISH STANDARD
THREADS：ISO7/1
DIN STANDARD
THREADS：DIN2999

钢管接头

美　　标：ASTM A733
管　　子：ASTM A53/ASTM A106/ASTM A333
螺　　纹：ANSI B1.20.1
级　　别：40. 80. 160. XXS
英　　标：BS EN10241
管　　子：BS1387，Medium&Heavy
螺　　纹：ISO7/1
德　　标：DIN 2982
管　　子：DIN 2440，Medium&Heavy
螺　　纹：DIN 2999

STEEL PIPE NIPPLE

AMERICAN STANDARD：ASTM A733
PIPE：ASTM A53/ASTM A106/ASTM A333
THREADS：ANSI B1.20.1
SCH：40. 80. 160. XXS
BRITISH STANDARD：BS EN10241
PIPE：BS1387，Medium&Heavy
THREADS：ISO7/1
DIN STANDARD：DIN 2982
PIPE：DIN 2440，Medium&Heavy
THREADS：DIN 2999

钢管接管

美　　标：ASTM A865
英　　标：BS EN10241
德　　标：DIN 2999

STEEL MERCHANT COUPLING

AMERICAN STANDARD：ASTM A865
BRITISH STANDARD：BS EN10241
DIN STANDARD：DIN 2999

美标铜管接头尺寸表
Brass Pipe Nipple with American Standard

接头类型/Type of Nipple	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8
CLOSE	3/4	7/8	1	1 1/8	1 3/8	1 1/2	1 5/8	1 3/4	2	2 1/2	2 3/4	2 3/4	2 7/8	3	3 3/8	3 1/2
断开 Short and long type	1 1/2	1 1/2	1 1/2	1 1/2	…	…	…	…	…	…	…	…	…	…	…	…
	2	2	2	2	2	2	2	2	…	…	…	…	…	…	…	…
	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	…	…	…	…	…	…	…
	3	3	3	3	3	3	3	3	3	3	3	…	…	…	…	…
	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	…	…	…	…	…
	4	4	4	4	4	4	4	4	4	4	4	4	4	…	…	…
	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	…
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	……	……	……	……	……	……	……	……	……	……	……	……	……	……	……	……

注:一头螺纹,一头倒角的尺寸长度也见上表(CLOSE除外)

Note: The length of one end threads also as per above sheet (except close)

美标钢管接头尺寸表
Steel Pipe Nipple with American Standard

接头类型/Type of Nipple	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8
CLOSE	3/4	7/8	1	1 1/8	1 3/8	1 1/2	1 5/8	1 3/4	2	2 1/2	2 3/8	2 3/4	2 7/8	3	3 3/8	3 1/2
断开 Short and long type	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	…	…	…	…	…	…	…	…	…	…	…
	2	2	2	2	2	2	2	2	…	…	…	…	…	…	…	…
	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	…	…	…	…	…	…	…
	3	3	3	3	3	3	3	3	3	3	3	…	…	…	…	…
	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	…	…	…	…	…
	4	4	4	4	4	4	4	4	4	4	4	4	4	…	…	…
	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	…
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
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	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	……	……	……	……	……	……	……	……	……	……	……	……	……	……	……	……

英标、德标钢管接头尺寸表

Steel Pipe Nipple with British/Din Standard

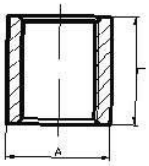
规格/Size	6	8	10	15	20	25	32	40	50	65	80	100	125	150
CLOSE		27	28	37	39	46	51	51	60	69	75	87	96	96
长度/Length.	30	30	30											
	40	40	40	40	40									
	50	50	50	50	50	50	50	50						
	60	60	60	60	60	60	60	60	60					
	80	80	80	80	80	80	80	80	80	80	80			
	100	100	100	100	100	100	100	100	100	100	100	100		
	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	150	150	150	150	150	150	150	150	150	150	150	150	150	150
	180	180	180	180	180	180	180	180	180	180	180	180	180	180
	200	200	200	200	200	200	200	200	200	200	200	200	200	200
	250	250	250	250	250	250	250	250	250	250	250	250	250	250
	300	300	300	300	300	300	300	300	300	300	300	300	300	300
											400	400	400	400
													500	500

注:重型的也见上表

Note:Heavy-type as per above sheet

德标钢管固及半长钢管固

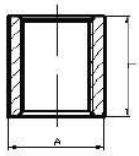
Steel Merchant Coupling with Din Standard



规格/Size		6	8	10	15	20	25	32
全长/Standard	最小外径/Min.Out-side Dia.	15	18.5	21.3	26.6	31.8	39.5	48.3
	长度/Length(mm)	17	25	26	34	36	43	48
半长/Half	最小外径/Min.Out-side Dia.	15	18.5	21.3	26.6	31.8	39.5	48.3
	长度/Length(mm)	8	11	12	15	17	20	22

规格/Size		40	50	65	80	100	125	150
全长/standard	最小外径/Min.Out-side Diam.	54.5	66.2	82	95	121.4	146.3	173.3
	长度/Length(mm)	48	56	65	71	83	92	92
半长/Half	最小外径/Min.Out-side Diam.	54.5	68	84.2	98.4	124	149	177
	长度/Length(mm)	22	26	30	34	40	44	44

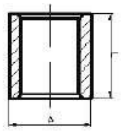
美标钢管固
Steel Merchant Coupling with American Standard



规格/Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
外径/Outside Diam.	0.563	0.719	0.875	1.063	1.313	1.576	1.900	2.200
长度/Length.	3/4	1 1/8	1 1/8	1 1/2	1 5/16	1 15/16	2	2
螺纹/Threads	NPSL	NPSL	NPSL	NPSL	NPSL	NPSL	NPSL	NPSL

规格/Size	2	2 1/2	3	3 1/2	4	5	6	
外径/Outside Diam.	2.750	3.250	4.000	4.625	5.000	6.296	7.390	
长度/Length.	2 1/16	3 1/16	3 3/16	3 5/16	3 7/16	3 11/16	3 15/16	
螺纹/Threads	NPSL	NPT	NPT	NPT	NPT	NPT	NPT	

英标钢管固
Steel Merchant Coupling with British Standard

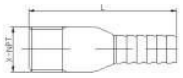


规格/Size	8	10	15	20	25	32	40	50
最小外径/Min. Outside Diam.	18.5	22	27	32.5	39.5	49	56	68
最小长度/Min Length.	27	28	37	39	46	51	51	60
规格/Size	65	80	100	125	150			
最小外径/Min. Outside Diam.	84	98	124	151	178			
最小长度/Min Length.	69	75	87	96	96			

一头螺纹 一头加长螺纹 的产品
Steel Nipple-Tank Type

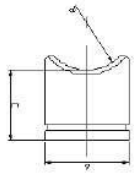
规格/Size	1/2×6×102	3/4×6×102	1×6×102	1 1/4×6×102	1 1/2×6×102	2×6×102
直径/Diam.	21.3	26.7	33.4	42.2	48.3	60.3
长度/Length.	152.4	152.4	152.4	152.4	152.4	152.4

变径钢管固
Insert Adapters



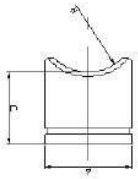
规格/Size	1/2	3/4	1	1¼	1½	2		
外径/Outside Diam	21.3	26.7	33.4	42.2	48.3	60.3		
长度/Length	79	79	83.5	90	103.5	103.5		

螺纹式侧出口
Threaded Welded Outlet

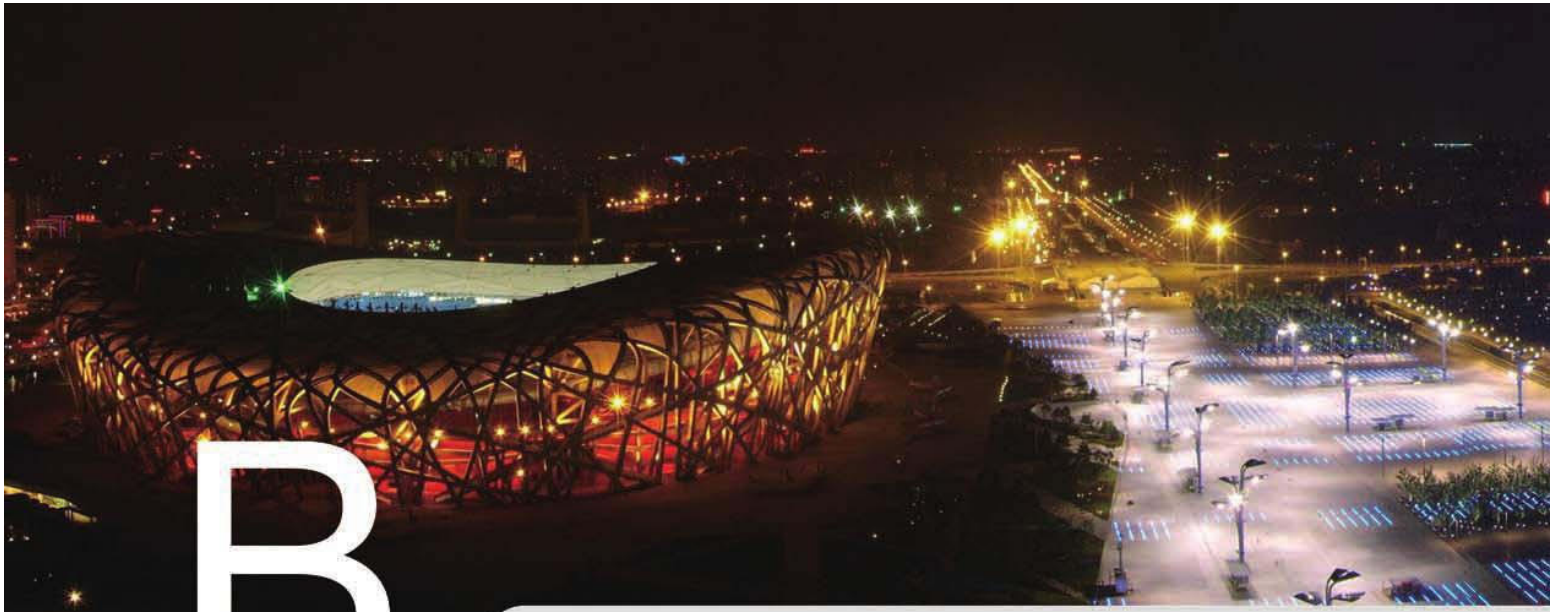


规格/Size	BNO1/2	BNO3/4	BNO1	BNO1¼	BNO1½	BNO2	BNO2½	BNO3	BNO4
A	1.13	1.38	1.57	1.9	2.2	2.75	3.25	4.00	5.00
C	1.063	1.125	1.25	1.375	1.625	1.75	2.215	2.500	3.00
R1	0.657	0.657	0.83	0.95	1.187	1.437	1.750	2.250	3.313
R2	0.83	0.83	1.187	1.187	1.437	1.750	2.250	3.313	4.313
R3	1.187	1.187	1.437	1.437	1.750	2.250	3.313	4.313	
R4	1.75	1.437	1.75	1.75	2.250	3.313	4.313		
R5		1.75	3.313	3.313	3.313				

沟槽式侧出口
Grooved Welded Outlet



规格/Size	1¼	1½	2	2½	3	4	6	8
A	1.66	1.900	2.375	2.875	3.500	4.500	6.625	8.625
C	3.00	3.00	3.00	3.00	3.00	4.00	4.00	4.00
R1	0.83	0.95	1.187	1.437	1.750	2.250	3.313	4.313
R2	0.950	1.187	1.437	1.750	2.250	3.313	4.313	
R3	1.187	1.437	1.750	2.250	3.313	4.313		
R4	1.437	1.750	2.250	3.313	4.313			
R5	1.750	2.250	3.313	4.313				
R6	2.250	3.313	4.313					
R7	3.313	4.313						
R8	4.313							



B

先进的生产设备

State of the art equipment

公司拥有大批先进的生产和检验设备。包括丹麦进口的自动造型线，国产416自动造型线，爱立许自动混砂机，英达电炉，CNC数控加工，自主知识产权的螺纹自动加工机，浸漆线，自动封箱机，立体仓库等等。扩大了生产规模，保障了产品质量。

Our company has the state of the art equipment for both production and inspection. We equipped with Denmark DISA automation molding line, China 416 automation molding line, Eirich automation sand mixing line, Induct Electrical furnace, Vertical Machining center, CNC lathe, Proprietary automatic thread machine, automatic box sealing line.

JINAN MEIDE CASTING CO., LTD./JINAN MEIDE MALLEABLE IRON CORP. LTD.
MECH