



345 Carlingview Drive
Toronto, Ontario
CANADA M9W 6N9
Tel.: 416.734.3300
Fax.: 416.231.1626
Toll Free: 1.877.682.8772
www.tssa.org

July 09, 2019

SALES
SHENYANG UNIWEL MACHINERY CO LTD
NO 8 ROAD BEI 21;ECONOMIC DEVELOPMETN ZONE
SHENYANG LIAONING 110141
CN

Service Request Type.: BPV-National AB
Service Request No.: 2582062
Your Reference No.: RENEW CRN 0A13475.5
Registered to.: SHENYANG UNIWEL MACHINERY CO LTD

Dear SALES,

Please find enclosed the original response from AB, registered under the CRN No.: 0A13475.52.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email :tfrancis@tssa.org

June 05, 2019

Attention: Joanna Karpinski
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, tracking number 2019-03555, originally received on May 16, 2019 was surveyed and accepted for registration as follows:

CRN : 0A13475.52 **Accepted on:** June 05, 2019
Reg Type: RENEWAL **Expiry Date:** May 09, 2029
Drawing No. : CRN RENEWAL
Fitting type: WROUGHT BUTTWELDING FITTINGS
Design registered in the name of : SHENYANG UNIWEL MACHINERY CO LTD

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are B16.9, B16.28 and other engineering analysis.

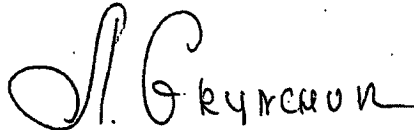
- *This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- *This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*
- *Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3330 or fax (780) 437-7787 or e-mail grynchuk@absa.ca.

Sincerely,



GRYNCHUK, MILLA, P. Eng.
DOP Cert. No. D00005217



SHENYANG UNIWEL MACHINERY CO., LTD

Scope of Registration

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. **0A 13475.52**

Standard:

Material: ASTM A234 WPB-2018
Size: ASME B16.9-2018
Wall Thickness: ASME B36.10-2018

Type:

45D and 90D long radius elbows
1/2"-2": STD SCH40,XS,SCH80,XXS,SCH160
2-1/2"-6": STD SCH40,XS,SCH80,SCH120, XXS,SCH160
8"-20": SCH20,SCH30,STD,SCH40,SCH60,XS,SCH80,SCH100,SCH120,SCH140
22"-48": SCH20,SCH30,STD,SCH40,SCH60,SCH80,SCH100,SCH120,SCH140

CRN Renewal

DWG. NO. or CAT. NO.

Scope

TYPE OF FITTINGS

Belt weld fittings

JUN 03 2018 PARTIALS

Ju

180D long radius elbows

1-1/2"-2": STD SCH40,XS,SCH80,XXS,SCH160
2-1/2"-6": STD SCH40,XS,SCH80,SCH120,XXS,SCH160
8"-24": SCH20,SCH30,STD,SCH40,SCH60,XS,SCH80,SCH100,SCH120

90D and 180D short radius elbows

1"-2": STD SCH40,XS,SCH80,XXS,SCH160
2-1/2"-6": STD SCH40,XS,SCH80,SCH120,XXS,SCH160
8"-24": SCH20,SCH30,STD,SCH40,SCH60,XS,SCH80,SCH100,SCH120

Straight tees and reducing outlet tees

1/2"-2": STD,SCH40,XS,SCH80,XXS,SCH160
2-1/2"-6": STD, SCH40,XS,SCH80,SCH120,XXS,SCH160
8"-20": SCH20,SCH30,STD,SCH40,SCH60,XS,SCH80,SCH100,SCH120,SCH140
22"-48": SCH20,SCH30,STD,SCH40,SCH60,SCH80,SCH100,SCH120,SCH140

Concentric and eccentric reducer

1/2"-2": STD SCH40,XS,SCH80,XXS,SCH160
2-1/2"-6": STD SCH40,XS,SCH80,SCH120, XXS,SCH160
8"-20": SCH20,SCH30,STD,SCH40,SCH60,XS,SCH80,SCH100,SCH120,SCH140
22"-48": SCH20,SCH30,STD,SCH40,SCH60,SCH80,SCH100,SCH120,SCH140

Caps

1/2"-2": STD SCH40,XS,SCH80,XXS,SCH160
2-1/2"-6": STD SCH40,XS,SCH80,SCH120, XXS,SCH160
8"-20": SCH20,SCH30,STD,SCH40,SCH60,XS,SCH80,SCH100,SCH120,SCH140
22"-48": SCH20,SCH30,STD,SCH40,SCH60,SCH80,SCH100,SCH120,SCH140

STATUTORY DECLARATION
Registration of Fittings

I, Sun Baoping, Legal representative
(name of applicant) (position title) (must be in a position of authority)

of SHENYANG Univer Machinery Co., LTD.
(name of manufacturer)

located at No. 8 Road Bei 21, Economic Development Zone 10141 Shenyang China
(plant address)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.
W

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

comply with the requirements of ASME B16.9 & B16.28 & B16.49 which specifies the dimensions,
(title of recognized North American Standard)

materials of construction, pressure/temperature ratings and identification marking of the fittings, or
 are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached
(title of code of construction or other applicable document)
data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, Lloyd's as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

Category A Type B/W Fittings
(brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

drawings showing fittings dimensions, proof test certificates, copy of ISO 19001:2015 certificates

DECLARED before me at SHENYANG in the LIAONING of CHINA
(city) (province or state)

this 22 day of MARCH, 2019
(Month) (Year)

(print) _____
(a Commissioner of Oaths or Notary Public)

(sign) _____
(a Commissioner of Oaths or Notary Public)

[Signature]
(signature of applicant)

For ABSA Office Use Only:

NOTES: _____

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category A

Registration Number: 0A 13475.52
(Signature of the Administrator/SCO)

Date Registered: JUN 05 2019 Expiry Date: 2019-05-09

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.

CRN Renewal L

公 证 书

(2019) 辽省证外字第 3897 号

申请人：沈阳友维机械有限公司，统一社会信用代码：
9121010678874184X6，住所：沈阳经济技术开发区开发北二十
一号路 8 号。

法定代表人：孙宝庆，男，一九七二年十月一日出生，公
民身份号码：211102197210010558。

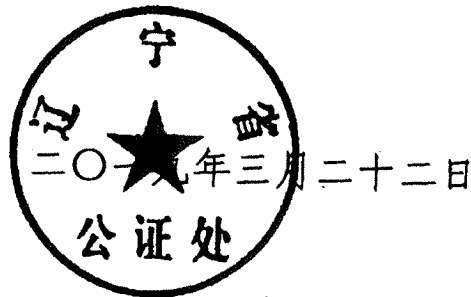
公证事项：签名

兹证明沈阳友维机械有限公司的法定代表人孙宝庆于二〇
一九年三月二十二日来到我处，在本公证员的面前，在前面的
《STATUTORY DECLARATION》上签名。

中华人民共和国辽宁省公证处

公证员

徐惠



1144890814

NOTARIAL CERTIFICATE (Translation)

(2019)L.S.Z.W.Zi.No.3897

Applicant: Shenyang Uniwei Machinery Co., Ltd., Unified Social Credit Code: 9121010678874184X6, Address: No. 8, North Kaifa No. 21 Road, Shenyang Economic and Technological Development Area.

Legal Representative: Sun Baoqing, male, was born on Oct. 1, 1972, ID card number: 211102197210010558.

Issue under notarization: Signature

This is to certify that Legal Representative Sun Baoqing of Shenyang Uniwei Machinery Co., Ltd. came to our notary public office and signed the foregoing STATUTORY DECLARATION on Mar. 22, 2019 before me, the notary public.

Liaoning Notary Office (Seal)
The People's Republic of China
Notary Public: Xu Hui (Signature)
Mar. 22, 2019

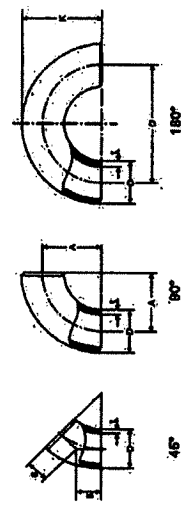
Outside Diameter and Wall Thickness (B Series)
外径和壁厚表 (B类) SY/T0510

Long Radius Elbows
长半径弯头符合ASME/ANSI B16.9

公称直径 Nominal Diameter	外径 Outside Diameter	公称壁厚 T Nominal Wall Thickness														
		1.0	1.6	2.5	4.0	6.4	10.0	16.0	公称压力 MPa Nominal Pressure							
15	18	3.0	3.0	3.0	3.0	3.0	-	-	-	-	-	-	-	-	-	-
20	25	3.0	3.0	3.0	3.0	3.0	-	-	-	-	-	-	-	-	-	-
25	32	3.5	3.5	3.5	3.5	3.5	4.5	4.5	4.5	4.5	4.5	6.5	-	-	-	-
32	38	3.5	3.5	3.5	3.5	3.5	4.5	4.5	4.5	4.5	4.5	7.0	-	-	-	-
40	45	3.5	3.5	3.5	3.5	3.5	4.5	4.5	4.5	4.5	4.5	7.0	-	-	-	-
50	57	3.5	3.5	3.5	3.5	3.5	5.0	5.0	5.0	5.0	5.0	7.0	-	-	-	-
65	76	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	8.0	-	-	-	-
80	89	4.0	4.0	4.0	4.0	4.0	7.0	7.0	7.0	7.0	7.0	9.0	-	-	-	-
100	108	4.0	4.0	4.0	4.0	4.0	8.0	8.0	8.0	8.0	8.0	10.0	-	-	-	-
125	133	4.0	4.0	4.0	4.0	4.0	10.0	10.0	10.0	10.0	10.0	12.0	-	-	-	-
150	159	4.5	4.5	4.5	4.5	4.5	12.0	12.0	12.0	12.0	12.0	14.0	-	-	-	-
200	219	6.0	6.0	6.0	6.0	6.0	14.0	14.0	14.0	14.0	14.0	18.0	-	-	-	-
250	273	8.0	8.0	8.0	8.0	8.0	16.0	16.0	16.0	16.0	16.0	20.0	-	-	-	-
300	325	8.0	8.0	8.0	8.0	8.0	18.0	18.0	18.0	18.0	18.0	22.0	-	-	-	-
350	377	9.0	9.0	9.0	9.0	9.0	20.0	20.0	20.0	20.0	20.0	24.0	-	-	-	-
400	426	9.0	9.0	9.0	9.0	9.0	22.0	22.0	22.0	22.0	22.0	26.0	-	-	-	-
450	478	9.0	9.0	9.0	9.0	9.0	24.0	24.0	24.0	24.0	24.0	28.0	-	-	-	-
500	529	9.0	9.0	9.0	9.0	9.0	26.0	26.0	26.0	26.0	26.0	30.0	-	-	-	-
600	630	9.0	9.0	9.0	9.0	9.0	28.0	28.0	28.0	28.0	28.0	34.0	-	-	-	-
		9.0	9.0	9.0	9.0	9.0	30.0	30.0	30.0	30.0	30.0	36.0	-	-	-	-

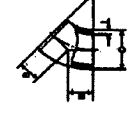
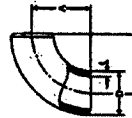
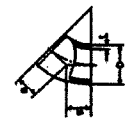
●本表所列壁厚均按许用应力 $[σ]=131MPa$ 、介质的腐蚀
裕量取1.5mm算出。
●The schedule indicated in above list is worked out under the condition
of allowable stress $[σ]$ equal to 131MPa and the corrosion allowance
equal to 1.5mm.

5252



Nominal Diameter 公称直径	Outside Diameter at Bevel : D 坡口处外径 : D		Dimensions R 尺寸			
	inch	mm	Center to End: A/B 中心至端面: A/B	Center to Center: O 中心至中心: O	Back to Face: K 顶面至端面: K	mm
1/2	0.840	21.3	A=38.1 B=15.7 O=76.2 K=47.8			
3/4	1.050	26.7	A=38.1 B=19.1 O=76.2 K=50.8			
1	1.315	33.4	A=38.1 B=22.4 O=76.2 K=55.6			
1-1/4	1.660	42.2	A=47.8 B=25.4 O=95.3 K=69.9			
1-1/2	1.900	48.3	A=57.2 B=28.4 O=114.3 K=82.6			
2	2.375	60.3	A=76.2 B=35.1 O=152.4 K=106.4			
	2.875	73.0	A=95.3 B=44.5 O=190.5 K=131.8			

Sch. No.	Wall Thickness 壁厚		Approx. Weight 理论重量		
	inch	mm	45°	90°	180°
STD/40	0.109	2.77	0.04	0.08	0.16
XS/80	0.147	3.73	0.05	0.10	0.20
STD/40	0.113	2.87	0.04	0.08	0.16
XS/80	0.154	3.91	0.05	0.10	0.20
STD/40	0.133	3.38	0.08	0.15	0.30
XS/80	0.179	4.55	0.10	0.19	0.38
160	0.250	6.35	0.13	0.25	0.50
STD/40	0.140	3.56	0.13	0.25	0.50
XS/80	0.191	4.85	0.17	0.33	0.66
160	0.250	6.35	0.21	0.42	0.84
STD/40	0.145	3.68	0.18	0.36	0.72
XS/80	0.200	5.08	0.25	0.49	0.98
160	0.281	7.14	0.33	0.65	1.30
XXS	0.400	10.15	0.43	0.86	1.72
STD/40	0.154	3.91	0.33	0.65	1.30
XS/80	0.218	5.54	0.45	0.90	1.80
160	0.344	8.74	0.67	1.33	2.66
XXS	0.436	11.07	0.81	1.61	3.22
STD/40	0.203	5.16	0.65	1.29	2.58
XS/80	0.276	7.01	0.86	1.71	3.42
160	0.375	9.53	1.12	2.23	4.46
XXS	0.552	14.02	1.53	3.05	6.10



45°

90°

180°

45°

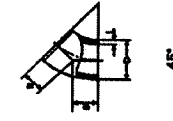
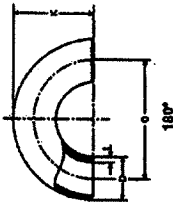
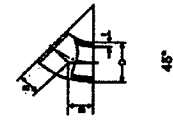
90°

180°

Nominal Diameter 公称通径	Dimension 尺寸			Wall Thickness 壁厚			Approx. Weight 理论重量				
	Outside Diameter at Bevel : D 坡口处外径: D	Center to End: A/B 中心至端面: A/B Center to Center: O 中心至中心: O Back to Face: K 顶端至端面: K		T		T		T			
		inch	mm	mm	mm	mm	mm	mm	mm		
3	3.500	88.9	A=114.3 B= 50.8 O=228.6 K=158.8	STD/40	0.216	5.49	1.02	2.03	4.06	2.03	4.06
				XS/80	0.300	7.62	1.37	2.74	5.48	2.74	5.48
				160	0.438	11.13	1.92	3.83	7.66	3.83	7.66
				XXS	0.600	15.24	2.49	4.97	9.94	4.97	9.94
4	4.500	114.3	A=152.4 B= 63.5 O=304.8 K=209.6	STD/40	0.237	6.02	1.93	3.85	7.70	3.85	7.70
				XS/80	0.337	8.56	2.67	5.34	10.70	5.34	10.70
				120	0.438	11.13	3.39	6.78	13.60	6.78	13.60
				160	0.531	13.49	4.02	8.03	16.10	8.03	16.10
5	5.563	141.3	A=180.5 B= 79.2 O=381.0 K=261.9	STD/40	0.258	6.55	3.26	6.51	13.00	6.51	13.00
				XS/80	0.375	9.53	4.64	9.27	18.50	9.27	18.50
				120	0.500	12.70	6.05	12.10	24.20	12.10	24.20
				160	0.625	15.88	7.35	14.70	29.40	14.70	29.40
6	6.625	168.3	A=228.6 B= 95.3 O=457.2 K=312.7	STD/40	0.280	7.11	5.05	10.10	20.20	10.10	20.20
				XS/80	0.432	10.97	7.65	15.30	30.60	15.30	30.60
				120	0.562	14.27	9.75	19.50	39.00	19.50	39.00
				160	0.719	18.26	12.10	24.20	48.40	12.10	24.20
8	8.625	219.1	A=304.8 B=127.0 O=609.6 K=414.3	STD/40	0.250	6.35	7.95	15.90	31.80	7.95	15.90
				XS/80	0.375	9.53	11.93	23.86	47.72	11.93	23.86
				120	0.500	12.70	15.88	31.76	63.52	15.88	31.76
				160	0.625	15.88	19.65	39.30	78.60	19.65	39.30

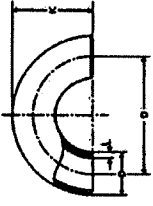
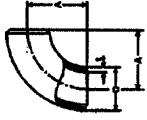
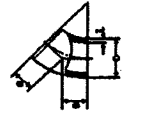
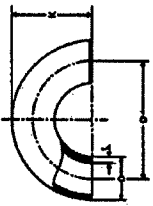
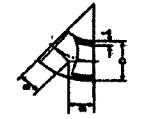
Nominal Diameter 公称通径	Dimension 尺寸			Wall Thickness 壁厚			Approx. Weight 理论重量				
	Outside Diameter at Bevel : D 坡口处外径: D	Center to End: A/B 中心至端面: A/B Center to Center: O 中心至中心: O Back to Face: K 顶端至端面: K		T		T		T			
		inch	mm	mm	mm	mm	mm	mm	mm		
10	10.750	273.0	A=381.0 B=158.8 O=762.0 K=517.7	STD/40	0.250	6.35	12.5	25.0	50.0	12.5	25.0
				XS/80	0.307	7.80	15.3	30.5	61.0	15.3	30.5
				160	0.365	9.27	18.1	36.1	72.2	18.1	36.1
				XXS	0.500	12.70	24.4	48.8	97.6	24.4	48.8
12	12.750	323.9	A=457.2 B=180.5 O=914.4 K=618.3	STD/40	0.250	6.35	12.5	25.0	50.0	12.5	25.0
				XS/80	0.330	8.38	16.8	33.6	67.2	16.8	33.6
				120	0.406	10.31	20.6	41.2	82.4	20.6	41.2
				160	0.500	12.70	25.4	50.8	101.6	25.4	50.8
14	14.000	355.6	A=533.4 B=223 O=1066.8 K=711.2	STD/40	0.250	6.35	12.5	25.0	50.0	12.5	25.0
				XS/80	0.312	7.92	15.8	31.6	63.2	15.8	31.6
				120	0.375	9.53	19.1	38.2	76.4	19.1	38.2
				160	0.438	11.13	22.3	44.6	89.2	22.3	44.6

152



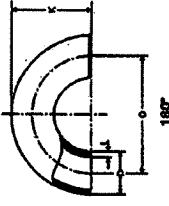
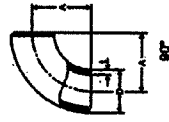
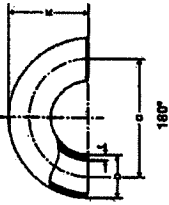
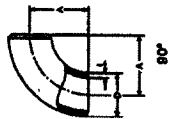
Nominal Diameter 公称直径	Outside Diameter at Bevel : D		Dimension 尺寸		Wall Thickness 壁厚			Approx. Weight 理论重量		
	inch	mm	Center to End: A/B 中心至端面: A/B	Center to Center: O 中心至中心: O	Back to Face: K 顶瓣至端面: K	T		45°	90°	180°
						Sch. No.	mm			
16	16.000	406.4	A= 809.6 B= 254.0 O=1219.2 K= 812.8	10	0.250	6.35	30.0	60.0	120	120
				20	0.312	7.92	37.3	74.5	149	149
				STD/30	0.375	9.53	44.7	89.3	179	179
				XS/40	0.500	12.70	59.0	118.0	236	236
				60	0.656	16.66	76.5	153.0	306	306
				80	0.844	21.44	97.5	195.0	390	390
				100	1.031	26.19	118.0	235.0	470	470
				120	1.219	30.96	137.0	274.0	548	548
				140	1.438	36.53	160.0	319.0	638	638
				160	1.594	40.49	175.0	350.0	700	700
18	18.000	457.2	A= 685.8 B= 265.8 O=1371.6 K= 914.4	10	0.250	6.35	36.1	76.1	152	152
				20	0.312	7.92	47.3	94.5	189	189
				30	0.438	11.13	66.0	132.0	264	264
				STD	0.375	9.53	56.5	113.0	226	226
				XS	0.500	12.70	75.0	150.0	300	300
				40	0.562	14.27	84.0	168.0	338	338
				60	0.750	19.05	111.0	222.0	444	444
				80	0.938	23.83	137.0	274.0	548	548
				100	1.156	29.36	167.0	334.0	668	668
				120	1.375	34.93	196.0	392.0	764	764
140	1.562	39.67	220.0	440.0	880	880				
160	1.781	45.24	246.0	492.0	984	984				
20	20.000	508.0	A= 762.0 B= 317.5 O=1524.0 K=1016.0	10	0.250	6.35	47.0	94.0	188	188
				20	0.312	7.92	61.0	122.0	244	244
				30	0.438	11.13	84.0	168.0	338	338
				STD/20	0.375	9.53	70.0	140.0	280	280
				XS/30	0.500	12.70	93.0	186.0	372	372
				40	0.594	15.09	110.0	219.0	438	438
				60	0.812	20.62	149.0	298.0	596	596
				80	1.031	26.19	188.0	372.0	744	744
				100	1.281	32.54	229.0	457.0	914	914
				120	1.500	38.10	264.0	528.0	1056	1056
140	1.750	44.45	305.0	609.0	1218	1218				
160	1.969	50.01	338.0	676.0	1352	1352				

Nominal Diameter 公称直径	Outside Diameter at Bevel : D		Dimension 尺寸		Wall Thickness 壁厚			Approx. Weight 理论重量						
	inch	mm	Center to End: A/B 中心至端面: A/B	Center to Center: O 中心至中心: O	Back to Face: K 顶瓣至端面: K	T		45°	90°	180°				
						Sch. No.	mm							
22	22.000	558.8	A= 838.2 B= 342.9 O=1676.4 K=1117.6	10	0.250	6.35	57.0	114	228	228				
				STD/20	0.375	9.53	85.0	170	340					
				XS/30	0.500	12.70	113.0	225	450					
				60	0.875	22.23	194.0	387	774					
				80	1.125	28.58	246.0	492	984					
				100	1.375	34.93	297.0	594	1188					
				120	1.625	41.28	347.0	694	1388					
				140	1.875	47.63	395.0	790	1580					
				160	2.125	53.98	443.0	885	1770					
				24	24.000	609.6	A= 914.4 B= 381.0 O=1828.8 K=1219.2	10	0.250	6.35	68.0	136	272	272
STD/20	0.375	9.53	101.0					202	404					
XS	0.500	12.70	135.0					269	538					
30	0.562	14.27	151.0					301	602					
40	0.688	17.48	183.0					366	732					
60	0.969	24.61	255.0					510	1020					
80	1.219	30.96	317.0					634	1268					
100	1.531	38.89	393.0					786	1572					
120	1.812	46.02	460.0					919	1838					
140	2.062	52.37	515.0					1033	2066					
160	2.344	59.54	580.0	1160	2320									
26	26.000	660.4	A=990.6 B=406.4	10	0.312	7.92	99.0	198	396	396				
				STD	0.375	9.53	119.0	238	476					
				XS/20	0.500	12.70	158.0	316	632					
				10	0.312	7.92	115.0	230	460					
				STD	0.375	9.53	138.0	276	552					
				XS/20	0.500	12.70	184.0	367	734					
				30	0.625	15.88	228.0	456	912					
				30	30.000	762.0	A=1143.0 B= 469.9	10	0.312	7.92	132.0	264	528	528
								STD	0.375	9.53	159.0	318	636	
								XS/20	0.500	12.70	211.0	421	842	
30	0.625	15.88	262.0					524	1048					



Nominal Diameter 公称直径	Dimension 尺寸			Wall Thickness 壁厚			Approx. Weight 理论重量			
	Outside Diameter at Bevel : D 坡口处外径: D		Center to End: A/B 中心至端面: A/B	T		Center to Center: O 中心至中心: O		Back to Face: K 顶端至端面: K		Approx. Weight 理论重量
	inch	mm	mm	inch	mm	mm	mm			
32	32.000	812.8	A=1219.2 B= 501.7	Sch. No. 10 STD XS/20 30 40	0.312 0.375 0.500 0.625 0.688	7.92 9.53 12.70 15.88 17.48	151.000 181.000 240.000 299.000 328.000	301.00 362.00 490.00 597.00 656.00	45° 90° 180° kgs kgs kgs	
34	34.000	863.6	A=1285.4 B= 533.4	10 STD XS/20 30 40	0.312 0.375 0.500 0.625 0.688	7.92 9.53 12.70 15.88 17.48	170.000 204.000 271.000 338.000 371.000	340.00 408.00 542.00 675.00 742.00	45° 90° 180° kgs kgs kgs	
36	36.000	914.4	A=1371.6 B= 565.2	10 STD XS/20 30 40	0.312 0.375 0.500 0.625 0.750	7.92 9.53 12.70 15.88 19.05	191.000 229.000 304.000 379.000 453.000	381.00 458.00 608.00 758.00 906.00	45° 90° 180° kgs kgs kgs	
38	38.000	965.2	A=1447.8 B= 723.9	STD XS/20	0.375 0.500	9.53 12.70	255.145 338.890	510.29 677.78	90° 180° kgs kgs	
40	40.000	1016.0	A=1524.0 B= 762.0	STD XS/20	0.375 0.500	9.53 12.70	282.850 375.750	565.70 751.50	90° 180° kgs kgs	
42	42.000	1066.8	A=1600.2 B= 800.1	STD XS/20	0.375 0.500	9.53 12.70	311.985 414.520	623.97 829.03	90° 180° kgs kgs	
44	44.000	1117.6	A=1676.4 B= 838.2	STD XS/20	0.375 0.500	9.53 12.70	342.545 455.180	685.09 910.36	90° 180° kgs kgs	
46	46.000	1168.4	A=1752.6 B= 876.3	STD XS/20	0.375 0.500	9.53 12.70	374.535 497.75	749.07 995.50	90° 180° kgs kgs	
48	48.000	1219.2	A=1828.8 B= 914.4	STD XS/20	0.375 0.500	9.53 12.70	407.950 542.23	815.90 1084.45	90° 180° kgs kgs	

Nominal Diameter 公称直径	Dimension 尺寸			Wall Thickness 壁厚			Approx. Weight 理论重量			
	Outside Diameter at Bevel : D 坡口处外径: D		Center to End: A/B 中心至端面: A/B	T		Center to Center: O 中心至中心: O		Back to Face: K 顶端至端面: K		Approx. Weight 理论重量
	inch	mm	mm	inch	mm	mm	mm			
50	50.000	1270.0	A=1905.0 B= 952.5	Sch. No. STD XS/20	0.375 0.500	9.53 12.70	442.795 588.600	885.59 1177.20	45° 90° 180° kgs kgs kgs	
52	52.000	1320.8	A=1981.2 B= 990.6	STD XS/20	0.375 0.500	9.53 12.70	479.065 636.890	958.13 1273.75	45° 90° 180° kgs kgs kgs	
54	54.000	1371.6	A=2057.4 B=1028.7	STD XS/20	0.375 0.500	9.53 12.70	516.765 687.055	1033.53 1374.11	45° 90° 180° kgs kgs kgs	
56	56.000	1422.4	A=2133.6 B=1066.8	STD XS/20	0.375 0.500	9.53 12.70	555.890 739.140	1111.78 1478.27	45° 90° 180° kgs kgs kgs	
58	58.000	1473.2	A=2209.8 B=1104.9	STD XS/20	0.375 0.500	9.53 12.70	596.445 793.120	1192.89 1586.24	45° 90° 180° kgs kgs kgs	
60	60.000	1524.0	A=2286.0 B=1143.0	STD XS/20	0.375 0.500	9.53 12.70	638.430 849.000	1276.85 1698.00	45° 90° 180° kgs kgs kgs	
62	62.000	1574.8	A=2362.2 B=1181.1	STD XS/20	0.375 0.500	9.53 12.70	681.835 881.840	1363.67 1813.60	45° 90° 180° kgs kgs kgs	
64	64.000	1625.6	A=2438.4 B=1219.2	STD XS/20	0.375 0.500	9.53 12.70	726.675 966.490	1453.35 1832.98	45° 90° 180° kgs kgs kgs	
66	68.000	1727.2	A=2590.8 B=1295.4	STD XS	0.375 0.500	9.53 12.70	820.650 1091.600	1641.30 2183.20	45° 90° 180° kgs kgs kgs	
72	72.000	1828.8	A=2743.2 B=1371.6	STD XS	0.375 0.500	9.53 12.70	920.300 1224.300	1840.60 2448.60	45° 90° 180° kgs kgs kgs	
80	80.000	2032.0	A=3048.0 B=1524.0	STD XS	0.375 0.500	9.53 12.70	1136.750 1512.500	2273.50 3025.00	45° 90° 180° kgs kgs kgs	



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Nominal Diameter 公称直径	Dimension Size 尺寸至端部: A 中心至中心: O 背到背: K		Wall Thickness 壁厚		Approx. Weight 理论重量	
	inch	mm	inch	mm	90°	180°
1	1.315	33.4	STD/40 XS/80 160 XXS	0.133 0.179 0.250 0.358	3.38 4.55 6.35 9.09	0.10 0.13 0.17 0.22
1-1/2	1.660	42.2	STD/40 XS/80 160 XXS	0.140 0.191 0.250 0.382	3.56 4.85 6.35 9.70	0.17 0.22 0.28 0.39
1-1/2	1.900	48.3	STD/40 XS/80 160 XXS	0.145 0.200 0.281 0.400	3.68 5.08 7.14 10.15	0.24 0.32 0.43 0.57
2	2.375	60.3	STD/40 XS/80 160 XXS	0.154 0.218 0.344 0.436	3.91 5.54 8.74 11.07	0.43 0.60 0.89 1.07
2-1/2	2.875	73.0	STD/40 XS/80 160 XXS	0.203 0.276 0.375 0.552	5.16 7.01 9.53 14.02	0.86 1.14 1.49 2.03
3	3.500	88.9	STD/40 XS/80 160 XXS	0.216 0.300 0.438 0.600	5.49 7.62 11.13 15.24	1.35 1.83 2.56 3.31
4	4.500	114.3	STD/40 XS/80 160 XXS	0.237 0.337 0.438 0.531	6.02 8.56 11.13 13.49	2.57 3.56 4.52 5.35

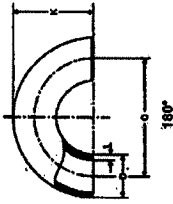
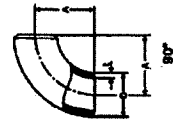
Nominal Diameter 公称直径	Dimension Size 尺寸至端部: A 中心至中心: O 背到背: K		Wall Thickness 壁厚		Approx. Weight 理论重量	
	inch	mm	inch	mm	90°	180°
5	5.563	141.3	STD/40 XS/80 120 160 XXS	0.258 0.375 0.500 0.625 0.750	6.55 9.53 12.70 15.88 19.05	4.34 6.18 8.04 9.80 11.45
6	6.625	168.3	STD/40 XS/80 120 160 XXS	0.280 0.432 0.562 0.719 0.864	7.11 10.97 14.27 18.26 21.95	6.77 10.20 13.00 16.20 19.00
8	8.625	219.1	STD/40 XS/80 120 160 XXS	0.250 0.277 0.327 0.406 0.500 0.594	6.35 7.04 8.18 10.31 12.70 15.09	10.60 11.80 13.60 16.90 20.90 24.20
10	10.750	273.0	STD/40 XS/80 120 140 160 XXS	0.250 0.307 0.375 0.462 0.562 0.675	6.35 7.80 9.78 11.83 14.27 17.29	16.70 20.40 24.10 28.80 32.50 34.40



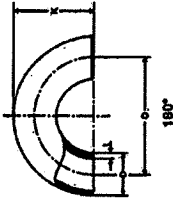
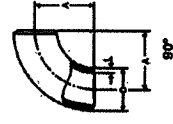
Short Radius Elbows
短半径弯头符合ASME/ANSI B16.28



Short Radius Elbows
短半径弯头符合ASME/ANSI B16.28



0.1334760.036



Nominal Diameter 公称直径	Dimension R 尺寸			Wall Thickness 壁厚		Approx. Weight 理论重量						
	Outside Diameter at Bevel : D 坡口处外径: D	Center to End: A 中心至端面: A Center to Center: O 中心至中心: O Back to Face: K 顶面至端面: K	mm	T		90°	180°					
				inch	mm							
12	12.750	323.9	A=304.8 O=609.6 K=486.9	20	0.250	6.35	23.8	47.6				
				30	0.330	8.38	31.2	62.4				
				STD	0.375	9.53	35.4	70.8				
				40	0.406	10.31	38.2	76.4				
				60	0.562	14.27	52.2	104.0				
				XS	0.500	12.70	46.7	93.4				
				80	0.688	17.48	63.1	126.0				
				100	0.844	21.44	76.5	153.0				
				120/XXS	1.000	25.40	89.5	179.0				
				140	1.125	28.58	98.6	199.0				
				160	1.312	33.32	114.0	228.0				
				14	14.000	355.6	A=355.6 O=711.2 K=533.4	10	0.250	6.35	30.6	61.2
								20	0.312	7.92	37.9	75.8
								STD/30	0.375	9.53	45.4	90.8
								40	0.438	11.13	52.8	106.0
								XS	0.500	12.70	60.0	120.0
60	0.594	15.09	70.6					141.0				
80	0.750	19.05	88.3					177.0				
100	0.938	23.83	109.0					218.0				
120	1.094	27.79	125.0					250.0				
140	1.250	31.75	142.0					284.0				
160	1.406	35.71	157.0					314.0				
16	16.000	406.4	A=406.4 O=812.8 K=609.6					10	0.250	6.35	40.0	80.0
								20	0.312	7.92	49.7	99.0
								STD/30	0.375	9.53	59.5	119.0
								XS/40	0.500	12.70	78.7	157.0
								60	0.656	16.66	102.0	204.0
				80	0.844	21.44	130.0	260.0				
				100	1.031	26.19	157.0	314.0				
				120	1.219	30.96	183.0	366.0				
				140	1.438	36.53	213.0	426.0				
				160	1.594	40.49	233.0	466.0				

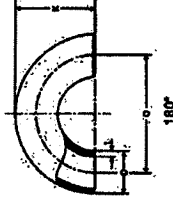
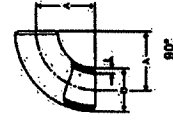
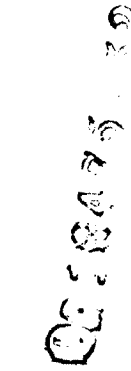
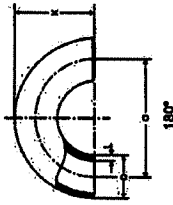
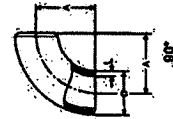
Nominal Diameter 公称直径	Dimension R 尺寸			Wall Thickness 壁厚		Approx. Weight 理论重量						
	Outside Diameter at Bevel : D 坡口处外径: D	Center to End: A 中心至端面: A Center to Center: O 中心至中心: O Back to Face: K 顶面至端面: K	mm	T		90°	180°					
				inch	mm							
18	18.000	457.2	A=457.2 O=914.4 K=685.8	10	0.250	6.35	50.7	101				
				20	0.312	7.92	63.0	126				
				STD	0.375	9.53	75.6	151				
				30	0.438	11.13	87.9	176				
				40	0.562	14.27	112.0	224				
				60	0.750	19.05	148.0	296				
				XS	0.500	12.70	100.0	200				
				80	0.938	23.83	183.0	366				
				100	1.156	29.36	222.0	444				
				120	1.375	34.93	261.0	522				
				140	1.562	39.67	283.0	566				
				160	1.781	45.24	330.0	660				
				20	20.000	508.0	A=508.0 O=1016.0 K=762.0	10	0.250	6.35	62.7	123
								STD/20	0.375	9.53	93.4	187
								XS/30	0.500	12.70	124.0	248
								40	0.594	15.09	146.0	292
60	0.812	20.62	188.0					366				
80	1.031	26.19	248.0					496				
100	1.281	32.54	304.0					608				
120	1.500	38.10	352.0					704				
140	1.750	44.45	405.0					810				
160	1.969	50.01	451.0					902				
22	22.000	558.8	A=558.8 O=1117.6 K=836.2					10	0.250	6.35	75.9	152
								STD/20	0.375	9.53	113.0	226
								XS/30	0.500	12.70	150.0	300
								60	0.675	22.23	258.0	516
								80	1.125	28.58	328.0	656
								100	1.375	34.93	396.0	792
				120	1.625	41.28	462.0	924				
				140	1.875	47.63	527.0	1054				
				160	2.125	53.98	590.0	1180				



Short Radius Elbows
短半径弯头符合ASME/ANSI B16.28

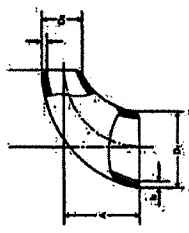


Short Radius Elbows
短半径弯头符合ASME/ANSI B16.28

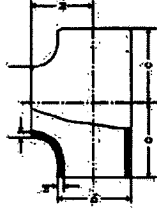
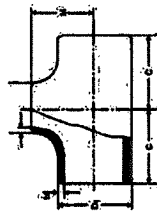


Nominal Diameter 公称直径	Outside Diameter at Bevel : D 接口处外径: D		Dimension Size 中心至端面: A 中心至中心: O 中心至中心: O 顶端至端面: K		Wall Thickness 壁厚		Approx. Weight 理论重量	
	inch	mm	mm	mm	inch	mm	90°	180°
	Sch. No.		T		T		kgs	kgs
24	24.000	609.6	A=609.6 O=1219.2 K=914.4	6.35 9.53	0.250 0.375	6.35 9.53	90.50 135.00	181 270
				14.27 17.48	0.562 0.688	14.27 17.48	201.00 244.00	402 488
				24.61 12.70	0.969 0.500	24.61 12.70	340.00 178.00	680 358
				30.98 48.02	1.219 1.812	30.98 48.02	423.00 612.00	846 1224
				52.37 59.54	2.062 2.344	52.37 59.54	689.00 773.00	1378 1548
26	26.000	660.4	A=660.4	9.53 12.70	0.375 0.500	9.53 12.70	158.53 210.23	
28	28.000	711.2	A=711.2	9.53	0.375	9.53	184.50	
30	30.000	762.0	A=762.0	9.53 12.70	0.375 0.500	9.53 12.70	211.47 280.52	
32	32.000	812.8	A=812.8	9.53	0.375	9.53	240.80	
34	34.000	863.6	A=863.6	12.70	0.500	12.70	319.63	
36	36.000	914.4	A=914.4	9.53	0.375	9.53	272.03	
38	38.000	965.2	A=965.2	12.70	0.500	12.70	361.17	
				9.53 12.70	0.375 0.500	9.53 12.70	305.16 405.24	
				9.53 12.70	0.375 0.500	9.53 12.70	340.20 451.90	

Nominal Diameter 公称直径	Outside Diameter at Bevel : D 接口处外径: D		Dimension Size 中心至端面: A 中心至中心: O 中心至中心: O 顶端至端面: K		Wall Thickness 壁厚		Approx. Weight 理论重量	
	inch	mm	mm	mm	inch	mm	90°	180°
	Sch. No.		T		T		kgs	kgs
40	40.000	1016.0	A=1016.0	9.53	0.375	9.53	377.10	
				12.70	0.500	12.70	501.00	
42	42.000	1066.8	A=1066.8	9.53	0.375	9.53	416.00	
				12.70	0.500	12.70	553.00	
44	44.000	1117.6	A=1117.6	9.53	0.375	9.53	457.00	
				12.70	0.500	12.70	607.30	
46	46.000	1168.4	A=1168.4	9.53	0.375	9.53	498.40	
				12.70	0.500	12.70	663.70	
48	48.000	1219.2	A=1219.2	9.53	0.375	9.53	544.00	
				12.70	0.500	12.70	723.00	
54	54.000	1371.6	A=1371.6	9.53	0.375	9.53	699.00	
				12.70	0.500	12.70	916.00	
56	56.000	1422.4	A=1422.4	9.53	0.375	9.53	741.20	
				12.70	0.500	12.70	985.50	



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Nominal Diameter 公称通径	Dimension R.T 尺寸						Center to End A 中心至端面A
	Outside Diameter at Bevel : D1/D2 坡口处外径: D1/D2		Small End: D2 小端: D2		Large End: D1 大端: D1		
	Inch	mm	Inch	mm	Inch	mm	
2 X1	2.375	60.3	1.315	33.4	76.2	76.2	
X1-1/2	2.375	60.3	1.900	48.3	76.2	76.2	
2-1/2 X1-1/2	2.875	73.0	1.900	48.3	95.3	95.3	
X2	2.875	73.0	2.375	60.3	95.3	95.3	
3 X1-1/2	3.500	88.9	1.900	48.3	114.3	114.3	
X2	3.500	88.9	2.375	60.3	114.3	114.3	
X2-1/2	3.500	88.9	2.875	73.0	114.3	114.3	
X2	4.500	114.3	2.375	60.3	152.4	152.4	
X2-1/2	4.500	114.3	2.875	73.0	152.4	152.4	
X3	4.500	114.3	3.500	88.9	152.4	152.4	
X3	5.563	141.3	3.500	88.9	190.5	190.5	
X4	5.563	141.3	4.500	114.3	190.5	190.5	
X3	6.623	168.3	3.500	88.9	228.6	228.6	
X4	6.623	168.3	4.500	114.3	228.6	228.6	
X5	6.623	168.3	5.563	141.3	228.6	228.6	
X4	8.625	219.1	4.500	114.3	304.8	304.8	
X5	8.625	219.1	5.563	141.3	304.8	304.8	
X6	8.625	219.1	6.625	168.3	304.8	304.8	
X6	10.750	273.0	6.625	168.3	381.0	381.0	
X8	10.750	273.0	8.625	219.1	381.0	381.0	
X8	12.750	323.9	8.625	219.1	457.2	457.2	
X10	12.750	323.9	10.750	273.0	457.2	457.2	

Sch. No.	Wall Thickness 壁厚				Approx. Weight 理论重量
	Large End: t1 大端: t1		Small End: t2 小端: t2		
	Inch	mm	Inch	mm	
STD/40	0.154	3.910	0.133	3.38	0.57
XS/60	0.154	3.910	0.172	4.35	0.72
STD/40	0.154	3.910	0.145	3.68	0.64
XS/80	0.203	5.166	0.200	5.08	0.89
STD/40	0.203	5.166	0.145	3.68	1.14
XS/80	0.276	7.010	0.200	5.08	1.51
STD/40	0.276	7.010	0.218	5.54	1.95
XS/80	0.216	5.490	0.145	3.68	1.70
STD/40	0.300	7.620	0.200	5.08	2.29
XS/80	0.300	7.620	0.154	3.91	1.81
STD/40	0.216	5.490	0.218	5.54	2.44
XS/80	0.300	7.620	0.276	7.01	2.61
STD/40	0.237	6.020	0.154	3.91	3.18
XS/80	0.337	8.560	0.218	5.54	4.42
STD/40	0.237	6.020	0.203	5.16	3.40
XS/80	0.337	8.560	0.276	7.01	4.73
STD/40	0.237	6.020	0.218	5.54	3.63
XS/80	0.337	8.560	0.300	7.62	5.05
STD/40	0.256	6.500	0.218	5.54	5.40
XS/80	0.375	9.530	0.300	7.62	7.70
STD/40	0.256	6.500	0.257	6.52	6.56
XS/80	0.375	9.530	0.337	8.56	9.00
STD/40	0.280	7.110	0.216	5.49	7.95
XS/80	0.432	10.970	0.300	7.62	11.90
STD/40	0.432	10.970	0.237	6.02	9.10
XS/80	0.432	10.970	0.258	6.55	13.60
STD/40	0.432	10.970	0.258	6.55	9.55
XS/80	0.432	10.970	0.375	9.53	14.30
STD/40	0.322	8.180	0.237	6.02	15.80
XS/80	0.500	12.700	0.337	8.56	24.10
STD/40	0.322	8.180	0.258	6.55	17.00
XS/80	0.500	12.700	0.375	9.53	25.80
STD/40	0.322	8.180	0.260	6.60	18.20
XS/80	0.500	12.700	0.432	10.97	27.60
STD/40	0.365	9.270	0.260	6.60	30.40
XS/80	0.500	12.700	0.332	8.48	41.40
STD/40	0.365	9.270	0.332	8.48	34.50
XS/80	0.500	12.700	0.500	12.70	46.70
STD	0.375	9.530	0.322	8.18	46.30
XS	0.500	12.700	0.365	9.27	61.20
STD	0.375	9.530	0.365	9.27	50.00
XS	0.500	12.700	0.500	12.70	66.00

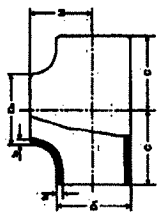
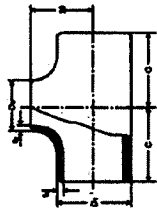
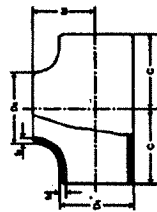
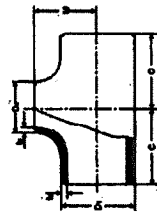
Nominal Diameter 公称通径	Dimension 尺寸						Wall Thickness-Approx. Weight 壁厚-理论重量											
	Outside Diameter at Bevel : D1/D2 坡口处外径: D1/D2		Center to End M 中心至端面M		Sch. 20		Sch. 30		Sch. 40		Sch. 60							
	D, mm	D2, mm	C, mm	M, mm	t1, mm	t2, mm	t1, mm	t2, mm	t1, mm	t2, mm	t1, mm	t2, mm						
1 1/2 X 1 1/2	48.3	48.3	57.2	57.2	—	—	—	—	—	—	—	—						
2 X 1 1/2	60.3	48.3	63.5	44.5	—	—	—	—	—	—	—	—						
X1	—	—	63.5	50.8	—	—	—	—	—	—	—	—						
1 1/2 X 1	—	—	63.5	57.2	—	—	—	—	—	—	—	—						
X2	—	—	63.5	63.5	—	—	—	—	—	—	—	—						
2 1/2 X 1	73.0	60.3	76.2	57.2	—	—	—	—	—	—	—	—						
X1 1/2	—	—	76.2	63.5	—	—	—	—	—	—	—	—						
X2	—	—	76.2	69.5	—	—	—	—	—	—	—	—						
3 X 1 1/2	88.9	60.3	85.9	69.5	—	—	—	—	—	—	—	—						
X1 1/2	—	—	85.9	73.2	—	—	—	—	—	—	—	—						
X2	—	—	85.9	76.2	—	—	—	—	—	—	—	—						
X2 1/2	—	—	85.9	82.6	—	—	—	—	—	—	—	—						
X3	—	—	85.9	85.9	—	—	—	—	—	—	—	—						
4 X 1 1/2	114.3	48.3	104.8	85.9	—	—	—	—	—	—	—	—						
X2	—	—	104.8	85.9	—	—	—	—	—	—	—	—						
X2 1/2	—	—	104.8	91.4	—	—	—	—	—	—	—	—						
X3	—	—	104.8	98.0	—	—	—	—	—	—	—	—						
X4	—	—	104.8	104.8	—	—	—	—	—	—	—	—						
5 X 2	141.3	60.3	134.0	104.8	—	—	—	—	—	—	—	—						
X2 1/2	—	—	134.0	111.3	—	—	—	—	—	—	—	—						
X3	—	—	134.0	117.3	—	—	—	—	—	—	—	—						
X4	—	—	134.0	124.0	—	—	—	—	—	—	—	—						
6 X 2 1/2	168.3	73.0	142.7	120.7	—	—	—	—	—	—	—	—						
X3	—	—	142.7	126.7	—	—	—	—	—	—	—	—						
X4	—	—	142.7	130.0	—	—	—	—	—	—	—	—						
X5	—	—	142.7	136.7	—	—	—	—	—	—	—	—						
8 X 4	219.1	114.3	177.8	155.4	—	—	—	—	—	—	—	—						
X5	—	—	177.8	162.1	—	—	—	—	—	—	—	—						
X6	—	—	177.8	168.1	—	—	—	—	—	—	—	—						
X8	—	—	177.8	177.2	—	—	—	—	—	—	—	—						
X10	—	—	177.8	177.2	—	—	—	—	—	—	—	—						



Welding Tees
对焊三通 ASME/ANSI B16.9



Welding Tees
对焊三通 ASME/ANSI B16.9

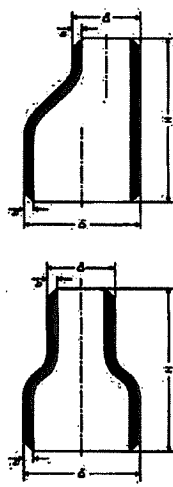
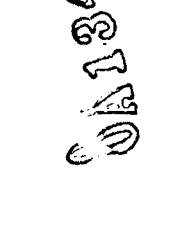
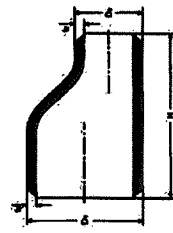
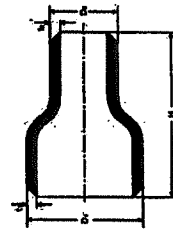


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Nominal Diameter 公称直径 inch	Outside at Bevel : D 出口处外径 : D D1 D2 (mm)	Center to End 中心至端面 C M	Approx. Weight 理论重量 (kg)	Sch. No.	Approx. Weight 理论重量 (kg)
34 x 18	864 x 457	546 x 546	336.1	XS	417.3
x 16	x 406	x 533	321.8	XS	413.9
38 x 35	914 x 914	673 x 673	418.7	XS	511.2
x 34	x 864	x 650	410.3	XS	511.1
x 32	x 813	x 648	404.4	XS	502.6
x 30	x 762	x 635	392.6	XS	495.6
x 28	x 711	x 622	383.2	XS	519.9
x 26	x 660	x 622	380.7	XS	518.7
x 24	x 610	x 610	369.2	XS	511.1
x 22	x 559	x 597	361.8	XS	502.9
x 20	x 508	x 584	377.7	XS	500.5
x 18	x 457	x 572	374.2	XS	492.2
x 16	x 406	x 559	371.0	XS	482.1
38 x 38	965 x 965	711 x 711	584	XS	678.7
x 36	x 914	x 699	571.0	XS	675.8
x 34	x 864	x 686	565.1	XS	668.3
x 32	x 813	x 686	561.4	XS	659.5
x 30	x 762	x 673	549.1	XS	652.1
x 28	x 711	x 648	545.1	XS	642.1
x 26	x 660	x 648	542.8	XS	636.9
x 24	x 610	x 635	527.8	XS	633.0
x 22	x 559	x 622	523.4	XS	627.5
x 20	x 508	x 610	519.5	XS	624.1
x 18	x 457	x 597	515.9	XS	618.6
x 16	x 406	x 584	512.6	XS	613.1
40 x 40	1016 x 1016	749 x 749	648	XS	839.1
x 38	x 965	x 749	644.8	XS	839.1
x 36	x 914	x 737	642.5	XS	830.5
x 34	x 864	x 724	638.3	XS	822.2
x 32	x 813	x 711	634.9	XS	814.9
x 30	x 762	x 699	631.5	XS	807.5
x 28	x 711	x 686	628.1	XS	800.1
x 26	x 660	x 673	624.7	XS	792.7
x 24	x 610	x 660	621.3	XS	785.3
x 22	x 559	x 648	617.9	XS	777.9
x 20	x 508	x 635	614.5	XS	770.5
x 18	x 457	x 622	611.1	XS	763.1
42 x 42	1067 x 1067	782 x 782	841.9	XS	1021.1
x 40	x 1016	x 770	838.5	XS	1013.7
x 38	x 965	x 757	835.1	XS	1006.3
x 36	x 914	x 744	831.7	XS	998.9
x 34	x 864	x 731	828.3	XS	991.5
x 32	x 813	x 718	824.9	XS	984.1
x 30	x 762	x 705	821.5	XS	976.7
x 28	x 711	x 692	818.1	XS	969.3
x 26	x 660	x 679	814.7	XS	961.9
x 24	x 610	x 666	811.3	XS	954.5
x 22	x 559	x 653	807.9	XS	947.1
x 20	x 508	x 640	804.5	XS	939.7
x 18	x 457	x 627	801.1	XS	932.3

Nominal Diameter 公称直径 inch	Outside at Bevel : D 出口处外径 : D D1 D2 (mm)	Center to End 中心至端面 C M	Approx. Weight 理论重量 (kg)	Sch. No.	Approx. Weight 理论重量 (kg)
40 x 40	1016 x 1016	782 x 782	958.3	XS	1238.6
x 38	x 965	x 771	954.9	XS	1235.2
x 36	x 914	x 758	951.5	XS	1231.8
x 34	x 864	x 745	948.1	XS	1228.4
x 32	x 813	x 732	944.7	XS	1225.0
x 30	x 762	x 719	941.3	XS	1221.6
x 28	x 711	x 706	937.9	XS	1218.2
x 26	x 660	x 693	934.5	XS	1214.8
x 24	x 610	x 680	931.1	XS	1211.4
x 22	x 559	x 667	927.7	XS	1208.0
x 20	x 508	x 654	924.3	XS	1204.6
x 18	x 457	x 641	920.9	XS	1201.2
x 16	x 406	x 628	917.5	XS	1197.8
44 x 44	1118 x 1118	813 x 813	1068.3	XS	1374.9
x 42	x 1067	x 800	1064.9	XS	1371.5
x 40	x 1016	x 787	1061.5	XS	1368.1
x 38	x 965	x 774	1058.1	XS	1364.7
x 36	x 914	x 761	1054.7	XS	1361.3
x 34	x 864	x 748	1051.3	XS	1357.9
x 32	x 813	x 735	1047.9	XS	1354.5
x 30	x 762	x 722	1044.5	XS	1351.1
x 28	x 711	x 709	1041.1	XS	1347.7
x 26	x 660	x 696	1037.7	XS	1344.3
x 24	x 610	x 683	1034.3	XS	1340.9
x 22	x 559	x 670	1030.9	XS	1337.5
x 20	x 508	x 657	1027.5	XS	1334.1
x 18	x 457	x 644	1024.1	XS	1330.7
x 16	x 406	x 631	1020.7	XS	1327.3
48 x 48	1168 x 1168	861 x 861	1268.3	XS	1618.9
x 46	x 1118	x 848	1264.9	XS	1615.5
x 44	x 1067	x 835	1261.5	XS	1612.1
x 42	x 1016	x 822	1258.1	XS	1608.7
x 40	x 965	x 809	1254.7	XS	1605.3
x 38	x 914	x 796	1251.3	XS	1601.9
x 36	x 864	x 783	1247.9	XS	1598.5
x 34	x 813	x 770	1244.5	XS	1595.1
x 32	x 762	x 757	1241.1	XS	1591.7
x 30	x 711	x 744	1237.7	XS	1588.3
x 28	x 660	x 731	1234.3	XS	1584.9
x 26	x 610	x 718	1230.9	XS	1581.5
x 24	x 559	x 705	1227.5	XS	1578.1
x 22	x 508	x 692	1224.1	XS	1574.7
x 20	x 457	x 679	1220.7	XS	1571.3
x 18	x 406	x 666	1217.3	XS	1567.9
x 16	x 355	x 653	1213.9	XS	1564.5

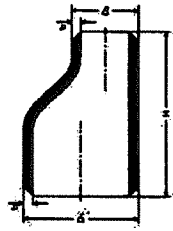
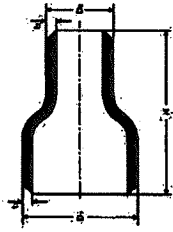
Nominal Diameter 公称直径 inch	Outside at Bevel : D 出口处外径 : D D1 D2 (mm)	Center to End 中心至端面 C M	Approx. Weight 理论重量 (kg)	Sch. No.	Approx. Weight 理论重量 (kg)
48 x 24	1068 x 610	851 x 724	606.7	XS	758.4
x 22	x 559	x 724	604.6	XS	753.7
48 x 48	1218 x 1218	889 x 838	716.3	XS	882.2
x 46	x 1168	x 836	712.8	XS	884.7
x 44	x 1118	x 836	709.3	XS	884.7
x 42	x 1067	x 813	706.8	XS	870.6
x 40	x 1016	x 813	703.3	XS	870.6
x 38	x 965	x 813	699.8	XS	863.0
x 36	x 914	x 787	696.3	XS	850.5
x 34	x 864	x 787	692.8	XS	847.2
x 32	x 813	x 762	689.3	XS	833.9
x 30	x 762	x 762	685.8	XS	833.9
x 28	x 711	x 762	682.3	XS	831.0
x 26	x 660	x 747	678.8	XS	828.1
x 24	x 610	x 737	675.3	XS	828.1
x 22	x 559	x 737	671.8	XS	817.3
50 x 50	1270 x 1270	927 x 876	866.6	XS	1082.2
x 48	x 1218	x 914	863.1	XS	1069.7
x 46	x 1168	x 914	859.6	XS	1069.7
x 44	x 1118	x 890	856.1	XS	1061.8
x 42	x 1067	x 890	852.6	XS	1054.8
x 40	x 1016	x 865	849.1	XS	1047.8
x 38	x 965	x 865	845.6	XS	1040.8
x 36	x 914	x 840	842.1	XS	1033.8
x 34	x 864	x 840	838.6	XS	1026.8
x 32	x 813	x 815	835.1	XS	1019.8
x 30	x 762	x 815	831.6	XS	1012.8
x 28	x 711	x 790	828.1	XS	1005.8
x 26	x 660	x 790	824.6	XS	998.8
x 24	x 610	x 765	821.1	XS	991.8
x 22	x 559	x 765	817.6	XS	984.8
x 20	x 508	x 740	814.1	XS	977.8
x 18	x 457	x 740	810.6	XS	970.8
x 16	x 406	x 715	807.1	XS	963.8



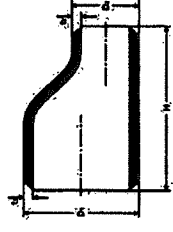
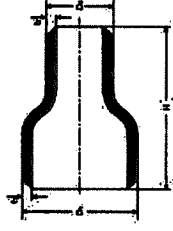
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Nominal Diameter 公称通径 Inch	Outside Diameter at Bevel: D 接口处外径: D D ₁ , D ₂ (mm)	End to End 全长 H(mm)	Sch No	Approx. weight 理论重量 (kg)	Sch No	Approx. weight 理论重量 (kg)
18 x 16	457 x 406	381	Sch 5S	49.50	XS	51.50
x 14	x 356	381	Sch 5S	38.12	XS	42.50
x 12	x 324	381	Sch 5S	36.70	XS	46.50
x 10	x 273	381	Sch 5S	34.30	XS	43.50
20 x 18	508 x 457	508	Sch 5S	60.40	XS	78.70
x 16	x 406	508	Sch 5S	57.20	XS	72.67
x 14	x 356	508	Sch 5S	54.10	XS	68.70
x 12	x 324	508	Sch 5S	52.00	XS	66.20
22 x 20	559 x 508	508	Sch 5S	66.80	XS	84.80
x 18	x 457	508	Sch 5S	63.60	XS	80.80
x 16	x 406	508	Sch 5S	62.40	XS	78.70
x 14	x 356	508	Sch 5S	57.30	XS	72.60
24 x 22	610 x 559	508	Sch 5S	73.20	XS	93.00
x 20	x 508	508	Sch 5S	70.00	XS	88.90
x 18	x 457	508	Sch 5S	66.80	XS	84.80
x 16	x 406	508	Sch 5S	63.60	XS	80.80
26 x 24	660 x 610	610	Sch 5S	95.40	XS	121.20
x 22	x 559	610	Sch 5S	91.60	XS	116.40
x 20	x 508	610	Sch 5S	87.80	XS	111.50
x 18	x 457	610	Sch 5S	84.00	XS	108.60
28 x 26	711 x 660	610	Sch 5S	103.10	XS	130.90
x 24	x 610	610	Sch 5S	99.30	XS	126.10
x 22	x 559	610	Sch 5S	95.50	XS	121.30
x 20	x 508	610	Sch 5S	91.70	XS	116.40
x 18	x 457	610	Sch 5S	87.90	XS	111.50
30 x 28	762 x 711	610	Sch 5S	103.00	XS	137.20
x 26	x 660	610	Sch 5S	100.00	XS	132.20
x 24	x 610	610	Sch 5S	103.10	XS	137.20
x 22	x 559	610	Sch 5S	99.30	XS	132.20
x 20	x 508	610	Sch 5S	95.50	XS	127.30
x 18	x 457	610	Sch 5S	91.70	XS	122.40
32 x 30	813 x 762	610	Sch 5S	116.40	XS	145.90
x 28	x 711	610	Sch 5S	114.90	XS	142.90
x 26	x 660	610	Sch 5S	110.70	XS	140.50
x 24	x 610	610	Sch 5S	101.00	XS	135.90
34 x 32	864 x 813	610	Sch 5S	126.10	XS	162.10
x 30	x 762	610	Sch 5S	122.80	XS	158.20
x 28	x 711	610	Sch 5S	114.90	XS	145.90
x 26	x 660	610	Sch 5S	110.70	XS	140.50
36 x 34	914 x 864	610	Sch 5S	137.00	XS	180.80
x 32	x 813	610	Sch 5S	133.70	XS	176.90
x 30	x 762	610	Sch 5S	129.90	XS	172.00
x 28	x 711	610	Sch 5S	126.10	XS	168.10
x 26	x 660	610	Sch 5S	118.30	XS	160.10

Nominal Diameter 公称通径 Inch	Outside Diameter at Bevel: D 接口处外径: D D ₁ , D ₂ (mm)	End to End 全长 H(mm)	Sch No	Approx. weight 理论重量 (kg)	Sch No	Approx. weight 理论重量 (kg)
38 x 36	965 x 914	610	Sch 5S	141.3	XS	178.4
x 34	x 864	610	Sch 5S	137.5	XS	174.6
x 32	x 813	610	Sch 5S	133.7	XS	169.8
x 30	x 762	610	Sch 5S	129.8	XS	164.9
x 28	x 711	610	Sch 5S	126.0	XS	160.0
x 26	x 660	610	Sch 5S	122.7	XS	156.8
40 x 38	1018 x 965	610	Sch 5S	148.9	XS	189.1
x 36	x 914	610	Sch 5S	145.1	XS	184.3
x 34	x 864	610	Sch 5S	141.3	XS	179.5
x 32	x 813	610	Sch 5S	137.5	XS	174.8
x 30	x 762	610	Sch 5S	133.7	XS	169.8
42 x 40	1067 x 1018	610	Sch 5S	166.8	XS	198.9
x 38	x 965	610	Sch 5S	162.8	XS	194.0
x 36	x 914	610	Sch 5S	158.9	XS	189.1
x 34	x 864	610	Sch 5S	155.1	XS	184.4
x 32	x 813	610	Sch 5S	151.3	XS	179.5
x 30	x 762	610	Sch 5S	147.5	XS	174.6
44 x 42	1118 x 1067	610	Sch 5S	184.3	XS	208.8
x 40	x 1018	610	Sch 5S	180.4	XS	203.7
x 38	x 965	610	Sch 5S	176.6	XS	198.9
x 36	x 914	610	Sch 5S	172.8	XS	194.0
46 x 44	1168 x 1118	610	Sch 5S	171.9	XS	218.2
x 42	x 1067	610	Sch 5S	168.8	XS	214.3
x 40	x 1018	610	Sch 5S	164.9	XS	210.4
x 38	x 965	610	Sch 5S	161.0	XS	206.5
48 x 46	1218 x 1168	610	Sch 5S	208.1	XS	265.6
x 44	x 1118	610	Sch 5S	204.2	XS	261.7
x 42	x 1067	610	Sch 5S	200.1	XS	257.8
x 40	x 1018	610	Sch 5S	196.2	XS	253.9

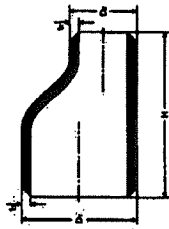
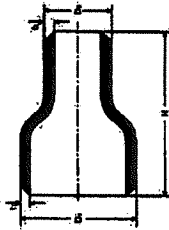


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Nominal Diameter 公称通径 inch	Outside Diameter at Bevel/D 接口处外径: D D ₁ , D ₂	End to End 全长 H(mm)	Sch No.	Approx. weight 理论重量 (kg)	Sch No.	Approx. weight 理论重量 (kg)
50 x 48	520 x 1218	711	Sch. 5S	286.7	Sch. 5S	286.7
50 x 46	511 x 1188	711	Sch. 5S	274.9	Sch. 5S	274.9
50 x 44	502 x 1158	711	Sch. 5S	263.2	Sch. 5S	263.2
50 x 42	493 x 1128	711	Sch. 5S	251.4	Sch. 5S	251.4
50 x 40	484 x 1098	711	Sch. 5S	239.7	Sch. 5S	239.7
50 x 38	475 x 1068	711	Sch. 5S	228.0	Sch. 5S	228.0
50 x 36	466 x 1038	711	Sch. 5S	216.3	Sch. 5S	216.3
50 x 34	457 x 1008	711	Sch. 5S	204.6	Sch. 5S	204.6
50 x 32	448 x 978	711	Sch. 5S	192.9	Sch. 5S	192.9
50 x 30	439 x 948	711	Sch. 5S	181.2	Sch. 5S	181.2
50 x 28	430 x 918	711	Sch. 5S	169.5	Sch. 5S	169.5
50 x 26	421 x 888	711	Sch. 5S	157.8	Sch. 5S	157.8
50 x 24	412 x 858	711	Sch. 5S	146.1	Sch. 5S	146.1
50 x 22	403 x 828	711	Sch. 5S	134.4	Sch. 5S	134.4
50 x 20	394 x 798	711	Sch. 5S	122.7	Sch. 5S	122.7
50 x 18	385 x 768	711	Sch. 5S	111.0	Sch. 5S	111.0
50 x 16	376 x 738	711	Sch. 5S	99.3	Sch. 5S	99.3
50 x 14	367 x 708	711	Sch. 5S	87.6	Sch. 5S	87.6
50 x 12	358 x 678	711	Sch. 5S	75.9	Sch. 5S	75.9
50 x 10	349 x 648	711	Sch. 5S	64.2	Sch. 5S	64.2
50 x 8	340 x 618	711	Sch. 5S	52.5	Sch. 5S	52.5
50 x 6	331 x 588	711	Sch. 5S	40.8	Sch. 5S	40.8
50 x 4	322 x 558	711	Sch. 5S	29.1	Sch. 5S	29.1
50 x 2	313 x 528	711	Sch. 5S	17.4	Sch. 5S	17.4

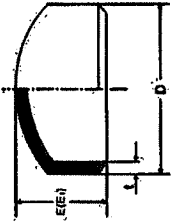
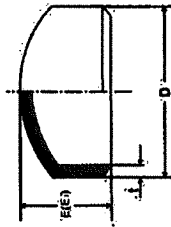
Nominal Diameter 公称通径 inch	Outside Diameter at Bevel/D 接口处外径: D D ₁ , D ₂	End to End 全长 H(mm)	Sch No.	Approx. weight 理论重量 (kg)	Sch No.	Approx. weight 理论重量 (kg)
60 x 58	620 x 1524	711	Sch. 5S	380.0	Sch. 5S	380.0
60 x 56	611 x 1494	711	Sch. 5S	368.3	Sch. 5S	368.3
60 x 54	602 x 1464	711	Sch. 5S	356.6	Sch. 5S	356.6
60 x 52	593 x 1434	711	Sch. 5S	344.9	Sch. 5S	344.9
60 x 50	584 x 1404	711	Sch. 5S	333.2	Sch. 5S	333.2
60 x 48	575 x 1374	711	Sch. 5S	321.5	Sch. 5S	321.5
60 x 46	566 x 1344	711	Sch. 5S	309.8	Sch. 5S	309.8
60 x 44	557 x 1314	711	Sch. 5S	298.1	Sch. 5S	298.1
60 x 42	548 x 1284	711	Sch. 5S	286.4	Sch. 5S	286.4
60 x 40	539 x 1254	711	Sch. 5S	274.7	Sch. 5S	274.7
60 x 38	530 x 1224	711	Sch. 5S	263.0	Sch. 5S	263.0
60 x 36	521 x 1194	711	Sch. 5S	251.3	Sch. 5S	251.3
60 x 34	512 x 1164	711	Sch. 5S	239.6	Sch. 5S	239.6
60 x 32	503 x 1134	711	Sch. 5S	227.9	Sch. 5S	227.9
60 x 30	494 x 1104	711	Sch. 5S	216.2	Sch. 5S	216.2
60 x 28	485 x 1074	711	Sch. 5S	204.5	Sch. 5S	204.5
60 x 26	476 x 1044	711	Sch. 5S	192.8	Sch. 5S	192.8
60 x 24	467 x 1014	711	Sch. 5S	181.1	Sch. 5S	181.1
60 x 22	458 x 984	711	Sch. 5S	169.4	Sch. 5S	169.4
60 x 20	449 x 954	711	Sch. 5S	157.7	Sch. 5S	157.7
60 x 18	440 x 924	711	Sch. 5S	146.0	Sch. 5S	146.0
60 x 16	431 x 894	711	Sch. 5S	134.3	Sch. 5S	134.3
60 x 14	422 x 864	711	Sch. 5S	122.6	Sch. 5S	122.6
60 x 12	413 x 834	711	Sch. 5S	110.9	Sch. 5S	110.9
60 x 10	404 x 804	711	Sch. 5S	99.2	Sch. 5S	99.2
60 x 8	395 x 774	711	Sch. 5S	87.5	Sch. 5S	87.5
60 x 6	386 x 744	711	Sch. 5S	75.8	Sch. 5S	75.8
60 x 4	377 x 714	711	Sch. 5S	64.1	Sch. 5S	64.1
60 x 2	368 x 684	711	Sch. 5S	52.4	Sch. 5S	52.4



Nominal Diameter 公称直径 inch	Outside Diameter at Bevel/D 接口处外径: D D ₁ , D ₂ D ₁ , D ₂	End to End 全长 H(mm)	Sch No.	Approx. weight 理论重量 (kg)	Sch No.	Approx. weight 理论重量 (kg)
78 x 72	1981 x 1829	711	Sch 5S	322.3	XS	431.2
x 70	x 1778	711	Sch 5S	327.8	XS	425.4
80 x 78	2032 x 1881	711	Sch 5S	350.0	XS	454.4
x 76	x 1800	711	Sch 5S	345.6	XS	448.6
x 74	x 1800	711	Sch 5S	341.2	XS	442.9
x 72	x 1829	711	Sch 5S	336.7	XS	437.0
82 x 80	2083 x 2032	711	Sch 5S	356.0	XS	463.0
x 78	x 1881	711	Sch 5S	354.5	XS	462.1
x 76	x 1800	711	Sch 5S	350.0	XS	454.4
x 74	x 1800	711	Sch 5S	345.7	XS	448.7
84 x 82	2134 x 2083	711	Sch 5S	368.0	XS	477.6
x 80	x 2032	711	Sch 5S	363.5	XS	471.8
x 78	x 1881	711	Sch 5S	359.0	XS	466.0
x 76	x 1800	711	Sch 5S	354.6	XS	460.2
86 x 84	2184 x 2134	711	Sch 5S	376.8	XS	483.1
x 82	x 2083	711	Sch 5S	372.3	XS	483.3
x 80	x 2032	711	Sch 5S	367.8	XS	477.5
88 x 86	2234 x 2184	711	Sch 5S	383.4	XS	471.7
x 84	x 2134	711	Sch 5S	385.6	XS	466.7
x 82	x 2083	711	Sch 5S	381.3	XS	465.0
x 80	x 2032	711	Sch 5S	376.8	XS	463.1
90 x 88	2284 x 2234	711	Sch 5S	394.6	XS	483.3
x 86	x 2184	711	Sch 5S	390.1	XS	512.3
x 84	x 2143	711	Sch 5S	385.7	XS	506.5
x 82	x 2083	711	Sch 5S	381.3	XS	500.7
92 x 90	2337 x 2286	711	Sch 5S	403.5	XS	486.0
x 88	x 2235	711	Sch 5S	399.0	XS	523.9
x 86	x 2184	711	Sch 5S	394.6	XS	516.0

Nominal Diameter 公称直径 inch	Outside Diameter at Bevel/D 接口处外径: D D ₁ , D ₂ D ₁ , D ₂	End to End 全长 H(mm)	Sch No.	Approx. weight 理论重量 (kg)	Sch No.	Approx. weight 理论重量 (kg)
98 x 84	2397 x 2134	711	Sch 5S	390.2	XS	506.6
94 x 92	2286 x 2337	711	Sch 5S	412.5	XS	535.5
x 90	x 2286	711	Sch 5S	406.0	XS	526.7
x 88	x 2235	711	Sch 5S	403.5	XS	523.9
x 86	x 2184	711	Sch 5S	399.0	XS	518.0
96 x 94	2438 x 2388	711	Sch 5S	421.3	XS	547.0
x 92	x 2337	711	Sch 5S	416.9	XS	541.2
x 90	x 2286	711	Sch 5S	412.4	XS	535.4
x 88	x 2235	711	Sch 5S	406.0	XS	529.6
98 x 96	2489 x 2438	711	Sch 5S	430.2	XS	558.5
x 94	x 2388	711	Sch 5S	425.8	XS	552.8
x 92	x 2337	711	Sch 5S	421.3	XS	547.0
x 90	x 2286	711	Sch 5S	416.9	XS	541.2
100 x 98	2640 x 2489	711	Sch 5S	439.1	XS	570.0
x 96	x 2438	711	Sch 5S	434.6	XS	564.4
x 94	x 2388	711	Sch 5S	430.3	XS	558.7
x 92	x 2337	711	Sch 5S	425.8	XS	552.8

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Nominal Diameter 公称通径 Inch	Dimensions 尺寸		Length: E/E' 全高: E/E' mm
	Outside Diameter at Bevel/D 坡口处外径: D Inch	mm	
1	1.316	33.4	38.1
1 1/4	1.680	42.2	38.1
1 1/2	1.900	48.3	38.1
2	2.375	60.3	38.1/44
2 1/2	2.875	73.0	38.1/51
3	3.500	88.9	50.8/64
4	4.500	114.3	63.5/76
5	5.563	141.3	76.2/89
6	6.625	168.3	88.9/102
8	8.625	218.1	101.6/127
10	10.750	273.0	127.0/152
12	12.750	323.9	152.4/178
14	14.000	355.6	165.1/181

备注: 管帽高度不超过XS壁厚时高度采用E值;
管帽高度超过XS壁厚时高度采用E'值。

Sch. No.	Wall Thickness 壁厚: t		Approx. Weight 理论重量 kg
	Inch	mm	
Std/40	0.133	3.38	0.11
XS/80	0.179	4.55	0.14
Std/40	0.140	3.58	0.14
XS/80	0.181	4.62	0.19
Std/40	0.145	3.68	0.17
XS/80	0.200	5.08	0.23
Std/40	0.154	3.91	0.23
XS/80	0.218	5.54	0.33
Std/40	0.203	5.16	0.39
XS/80	0.276	7.01	0.53
Std/40	0.216	5.49	0.66
XS/80	0.300	7.62	0.92
Std/40	0.237	6.02	1.17
XS/80	0.337	8.56	1.67
Std/40	0.258	6.55	1.91
XS/80	0.375	9.53	2.78
Std/40	0.280	7.11	2.90
XS/80	0.432	10.97	4.47
Std/40	0.322	8.18	5.19
XS/80	0.500	12.70	8.05
Std/40	0.365	9.27	9.15
XS/80	0.500	12.70	12.50
Std	0.375	9.53	13.30
40	0.406	10.31	14.40
XS	0.500	12.70	17.70
Std	0.375	9.53	15.90
40	0.438	11.13	18.80
XS	0.500	12.70	21.20

Nominal Diameter 公称通径 Inch	Dimensions 尺寸		Length: E/E' 全高: E/E' mm
	Outside Diameter at Bevel/D 坡口处外径: D Inch	mm	
16	16.000	406.4	117.8/203
18	18.000	457.0	203.2/229
20	20.000	508.0	228.6/254
22	22.000	559.0	254.0/254
24	24.000	610.0	266.7/305
26	26.000	660.0	266.7/305
28	28.000	711.0	266.7/305
30	30.000	762.0	266.7/305
32	32.000	813.0	266.7/305
34	34.000	864.0	266.7/305
36	36.000	914.0	266.7/305
38	38.000	965.0	267.0
40	40.000	1016.0	280.0
42	42.000	1067.0	316.0
44	44.000	1118.0	316.0
46	46.000	1168.0	315.0
48	48.000	1219.0	340.0
50	50.000	1270.0	340.0
52	52.000	1320.0	365.0
54	54.000	1371.0	365.0
56	56.000	1422.0	390.0
58	58.000	1473.0	390.0

Sch. No.	Wall Thickness 壁厚: t		Approx. Weight 理论重量 kg
	Inch	mm	
Std/40	0.375/0.500	9.53/12.70	20.00/26.70
Std/45	0.375/0.500	9.53/12.70	25.90/34.10
Std/45	0.375/0.500	9.53/12.70	31.90/42.50
Std/45	0.375/0.500	9.53/12.70	38.80/51.70
Std/45	0.375/0.500	9.53/12.70	45.10/60.10
Std/45	0.375/0.500	9.53/12.70	50.50/67.30
Std/45	0.375/0.500	9.53/12.70	56.20/74.90
Std/45	0.375/0.500	9.53/12.70	62.10/82.80
Std/45	0.375/0.500	9.53/12.70	68.40/91.60
Std/45	0.375/0.500	9.53/12.70	75.00/100.00
Std/45	0.375/0.500	9.53/12.70	81.90/109.00
Std/45	0.375/0.500	9.53/12.70	89.00/117.00
Std/45	0.375/0.500	9.53/12.70	102.00/129.00
Std/45	0.375/0.500	9.53/12.70	112.00/142.00
Std/45	0.375/0.500	9.53/12.70	122.00/156.00
Std/45	0.375/0.500	9.53/12.70	134.00/170.00
Std/45	0.375/0.500	9.53/12.70	146.00/189.00
Std/45	0.375/0.500	9.53/12.70	157.00/199.00
Std/45	0.375/0.500	9.53/12.70	168.00/213.00
Std/45	0.375/0.500	9.53/12.70	181.00/230.00
Std/45	0.375/0.500	9.53/12.70	196.00/248.00
Std/45	0.375/0.500	9.53/12.70	210.00/265.00