

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

**Reg Type:** 

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 Expiry Date: May 09, 2029

Drawing No. : CRN RENEWAL

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,

YNCHUR

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

<b>U</b> V	Scope of Registration	
	SCOPE OF REGISTIATION SAFETY CODES ACT - PROVINCE O	if at Be
Standard:	Material: ASTM A234 WPB-2018 REGISTRATION OF FITTI	
	Size: ASME B16.9-2018	
*	Wall Thickness: ASME B36.10-2018 BEGARTBATION NO A 1 3 4 7	5.
Type:	45D and 90D long radius elbows CRN reneurly for the former of PD	3
		11
	2-1/2"-6": STD SCH40,XS,SCH80,SCH120, XXS,SCH160 TYPE OF FITTINGS	<u>or M</u>
	8"-20": SCH20,SCH30,STD,SCH40,SCH60,XS,SCH80,SCH100,SCH120,SCH120	/ 人 ·
	22"-48": SCH20,SCH30,STD,SCH40,SCH60,SCH80,SCH100,SCH120,SCH140	
	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	·

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Hbertan Municipal Affairs	<u> </u>
STATUTORY DECLARATION Registration of Fittings	AB-41 2
I, Sun Baoting . Legal representative	In this space, show facsimile manufacturer's logo or trader as it will appear on the fitting
of SHENYANG Univer Machiner Content of Manufacturer)	$(\mathcal{N})$
located at <u>No. 5 Road Bey 21, Economic Development Zone 16141 Shenyang ch</u> (plant address)	
do solemnly declare that the fittings listed hereunder, which are subject to the Safety (check one)	Codes Act
comply with the requirements of ASME Bib.9 & Bib.9 & Bib.49 which (title of recognized North American Standard)	specifies the dimensions,
materials of construction, pressure/temperature ratings and identification ma	-
are not covered by the provisions of a recognized North American standard a	nd are therefore manufactur
to comply witha	is supported by the attached
(title of code of construction or other applicable document) data which identifies the dimensions, materials of construction, pressure/temp	
for such ratings, and the marking of the fittings for identification.	verature ratings and the basi
I further declare that the manufacture of these fittings is controlled by a quality control	
summified by the faile of the state of the s	
fittings to the stated standard. The fittings covered by this declaration, for which I see	le for the manufacture of the
	ek registration, are
Category A Type B/W Filtings. (Brief description of fittings)	
In support of this application, the following information, calculations and/or test data a	re attached:
drawings showing Attings dimensions, proof test certificates dopy of 15	o 19001:2021 certificates
DECLARED before me at SHEVXANG in the LIAPNING of	CHINA
	CHINA (province or state)
(city) this <u>22</u> day of <u>MARCH</u> , <u>20(9</u> (Month) (Year)	CHINA (province or state)
(city) this <u>22</u> day of <u>MARCH</u> , <u>20(9</u> (Month) (Year)	CHINA (province or state)
(print) (a Commissioner of Oaths or Notary Public) (city)	CHINA (province or state)
this <u>22</u> day of <u>MARCH</u> <u>20(9</u> (print) (a Commissioner of Oaths or Notary Public) (a Commissioner of Oaths or Notary Public)	ZW
this <u>22</u> day of <u>MARCH</u> <u>20(9</u> (print) (a Commissioner of Oaths or Notary Public) (a Commissioner of Oaths or Notary Public)	CHINA (province or state)
(city) this <u>22</u> day of <u>MARCH</u> <u>20(9</u> (Month) (Year) (a Commissioner of Oaths or Notary Public) (a Commissioner of Oaths or Notary Public) (a Commissioner of Oaths or Notary Public)	ZW
(city)    (city)      this    22      day of    MARCH      (print)    (Year)      (a Commissioner of Oaths or Notary Public)      (b)      (a Commissioner of Oaths or Notary Public)      (a Commissioner of Oaths or Notary Public)      (a Commissioner of Oaths or Notary Public)      (b)      (c)      (c) <td>of applicant)</td>	of applicant)
(city) this <u>22</u> day of <u>MARCH</u> <u>2019</u> (print) (a Commissioner of Oaths or Notary Public) (a Commissioner of Oaths or Notary Public) (a Commissioner of Oaths or Notary Public) For ABSA Office Use Only: NOTES: To the best of my knowledge and belief, the application meets the requirements of the Standard B51, Clause 4.2, and is accepted for registration in Category <u>A</u>	of applicant)
(city) this <u>22</u> day of <u>MARCH</u> <u>2019</u> (print) (a Commissioner of Oaths or Notary Public) (a Commissioner of Oaths or Notary Public) (b Commissioner of Oaths or Notary Public) (b Commissioner of Oaths or Notary Public) (c Commissioner	Safety Codes Act and CSA
(city) this <u>22</u> day of <u>MARCH</u> <u>2019</u> (print) (a Commissioner of Oaths or Notary Public) (a Commissioner of Oaths or Notary Public) (b Commissioner of Oaths or Notary Public) (b Commissioner of Oaths or Notary Public) (c Commissioner	Safety Codes Act and CSA

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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

行吏 公证员



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## 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

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2.5    4.0    6.4    10.1      2.5    4.0    6.4    10.1      2.5    4.0    6.4    10.1      3.0    3.0    3.0    3.0    -      3.0    3.0    3.0    3.0    -    -      3.0    3.0    3.0    3.0    -    -    -      3.0    3.0    3.0    3.0    3.0    -    -    -      3.5    3.5    3.5    3.5    4.5    6.6    -		میں ہے۔ بلائے ک			F 之上。 [岩]梁孟梁孟梁殿] [	本 1 1 1 1 1 1 1 1 1 1 1 1 1	8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Mail Thickness      Mail Thickness        0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0      0      0      0        0      0<	Bit      Statut      Defend: A/B      Mail Thickness        0-End: A/B      0-End: A/B      Mail Thickness        0-Center: O      0-Center: O      0-Center: O	Ber      Liter      Liter      Liter        Ber      Ber      Liter      Liter        Ber      AB      Vall Thickness      Liter        Proce      Ocentier:O      Mail Thickness      Liter        Proce      Ocentier:O      Centier:O      Thickness        Proce      Ocentier:O      Ocentier:O      Thickness        Proce      Stripted      O.103      3.73        Proce      Stripted      O.133      3.38        Proce      Stripted      O.133      3.38        Proce      Stripted      O.133      3.38        Proce      Ocentier:O      Ocentier:O      Thickness        Proce      Stripted      O.133      3.38        Proce      Stripted      O.133      3.38        Proce      Stripted      O.1447      3.73        Proce      Stripted      O.1447      3.73        Proce      Stripted      O.1447      3.73        Proce      Stripted      O.1447      3.73        Proce      Stripted      Ocentier </th <th>•</th> <th></th> <th></th> <th>6,4 10.0 16.0</th> <th>1</th> <th>1</th> <th>4.5 6.5 Dimensi</th> <th>4.5 7.0 Diameter at Bevel : D</th> <th>4.5 7.0 Attack of the reader o</th> <th>5.0 7.0 Armark With With W</th> <th>6.0 8.0 1/2 0.840</th> <th>5.0 7:0 .9.0</th> <th>6.0 8.0 10.0</th> <th>10.0 12.0 3/4 1:050</th> <th>_</th> <th>14.0</th> <th>1 1.315</th> <th>s.0 12.0 18.0 28.0</th> <th>22.0 30.0</th> <th><math display="block">\begin{array}{ c c c c c c c c c c c c c c c c c c c</math></th> <th></th>	•			6,4 10.0 16.0	1	1	4.5 6.5 Dimensi	4.5 7.0 Diameter at Bevel : D	4.5 7.0 Attack of the reader o	5.0 7.0 Armark With With W	6.0 8.0 1/2 0.840	5.0 7:0 .9.0	6.0 8.0 10.0	10.0 12.0 3/4 1:050	_	14.0	1 1.315	s.0 12.0 18.0 28.0	22.0 30.0	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$									
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× **		ght	180	kgs	50.0 61.0 72.2 97.6	115.0 137.0 158.0 158.0 206.0	71.4 93.6 106.0 115.0 156.0 156.0	189.0 230.0 268.0 298.0 342.0	91.6 114.0 136.0 158.0 180.0 212.0 284.0 376.0 376.0 376.0
X		Approx. Weight 建论重量	56	kgs	25.0 36.1 48.8	57.3 68.6 79.5 92.8 103.0	35.7 46.8 53.1 57.8 70.0 78.2	94.7 115.0 134.0 149.0 171.0	45.8 56.9 68.1 79.2 90.0 106.0 1132.0 1132.0 1165.0 1132.0 212.0 212.0 236.0
合ASME/ANSI B16.9	lemmer second	dqA	45°	kgs	12.5 15.3 18.1 24.4	24.3 24.3 51.5 51.5	17.9 28.7 39.1 39.1	47.4 57.5 67.0 74.5 85.5	22 9 26 2 26 2 26 2 26 2 26 2 26 2 26 2
ISI B1	A	8	1	Ē	6.35 7.80 9.27 12.70	15.09 18.26 21.44 25.40 28.58	6.35 8.38 9.53 10.31 12.70	17.48 21.44 25.40 23.32 33.32	6.35 7.92 9.53 11.13 12.70 15.09 15.09 15.09 31.75 31.75 31.75
IE/AN		Wall Thickness <b>E A</b>	۲ ۲	inch	0.250 0.307 0.365 0.365	0.594 0.719 0.844 1.000 1.125	0.250 0.330 0.375 0.406 0.562 0.562	0.688 0.844 1.000 1.125 1.312	0.250 0.312 0.375 0.438 0.500 0.500 0.594 0.750 0.750 0.938 1.094 1.250
} ASN		Wall	Cch Mo	3CU. NO.	20 30 XS/60	120 120 140/XXS	8 8 6 <del>3</del> 8 8 8	80 100 120/XXS 160 160	10 20 20 20 20 20 20 20 20 20 20 20 20 20
长半径弯头符合ASME/ANSIB16.9		Dimension 尺寸 Center to End:A/B meter 中心至難函:A/B Center to Center:O	F5月45:0 Back to Face:K 画路内箱間、K	um mm	A≕381.0 B=158.8 O=762.0 K≕517.7		A=457.2 B=190.5 C=914.4 K=519.3		A= 533.4 B= 222.3 C =1066.8 K= 711.2
			ē: D	E E	273.0		323.9		355 ô
and and a second se		Dimer Outside Diameter at Bevel : D	坡口处外径:D	inch	10.750		12.750		14,000
		Nominal Diameter	公称遺径		01				4
							Ne T		
3		Weight	180	kgs	4.06 5.48 7.66 9.94	7.70 10.70 13.60 16.10	13.00 18.50 24.20 29.40 34.40	00 00 00 00 00 00 00 00 00 00 00 00 00	31.80 35.20 50.80 61.80 72.60 86.60 96.60 103.00
		Approx. Wei 複论算量	906	kgs	2.03 2.74 3.83 4.97	3.85 5.34 6.78 8.03 8.03 8.03	6.51 9.27 12.10 14.70 17.20	10.10 15.30 28.40 28.40	15.90 17.60 20.40 36.30 36.30 53.30 51.70
	<b>┝×4</b>	Ap	45°	kgs	1.02 1.37 1.92 2.49	1.93 2.67 3.39 4.02 4.91	3.26 4.64 6.05 7.35 8.60	5.05 7.65 9.75 12.10 14.20	7.95 8.80 8.80 10.20 15.50 15.50 18.20 24.20 24.20 24.20 26.70 25.90
		sse	+	E E	5.49 7.62 11.13 15.24	6.02 8.56 11.13 13.49 17.12	6.55 9.53 12.70 15.88 19.05	7.11 10.97 14.27 18.26 21.95	6.35 7.04 8.18 8.18 12.70 12.70 12.70 15.09 15.09 20.62 23.01 22.23
16.9		Wali Thickness		inch	0.216	0.237 0.337 0.438 0.531 0.531	0.258 0.375 0.500 0.625 0.625	0.280 0.432 0.562 0.719 0.864	0.250 0.277 0.322 0.406 0.594 0.594 0.594 0.594 0.594 0.594 0.594 0.594 0.594
NNSI B		Wa	Sch No		STD/40 XS/80 160 XXS	STD/40 XS/80 120 160 XXS	STD/40 XS/80 120 160 XXS	STD/40 XS/80 120 160 XXS	20 20 30 5TD/40 60 100 120 120 180 180 XXS
长半径弯头符合ASME/ANSI B16.		Dimension 尺寸 meter Center to End: A/B meter 存心座集面: A/B Center to Center O	トゥ州トゥ: O Back to Face:K 反義附集間: K	EE	A=114.3 B= 50.8 C=228.6 K≃158.8	A=152.4 B= 63.5 O=304.8 K=209.6	A=190.5 B≞ 79.2 O=381.0 K=261.9	A≐228.6 B= 95.3 O=457.2 K=312.7	Am304.8 B=127.0 C=609.6 K=414.3
×		Dimens Outside Diameter at Bavel : D			88.9	114.3	141.3	168.3	219.1
半径弯头		le C	坡口处外径:D	ч	3.500	4.500	5.563	6.825	8.625
<sup>作</sup> 长半径弯头		Outsic at Bev	製	. <b>=</b>	ri	4	ŝ	•	Φ

4			180°	kgs	228 450 984	1188 1388 1580 1770	272 404 538 602	732 1020 1268 1572 1838 2060	2320		
Å <b>W</b> <sup>∦</sup>		Approx. Weight 這论重量	06	kgs				366 510 519 519 519 7033 2 2 7 7033 2 2 7 7 7 8 6 3 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		316 230 256 456	264 318 421
ws 5.9	<b> </b> 2	Appro	45°	kgs	57.0 .85.0 113.0 194.0 246.0	297.0 347.0 395.0 443.0	68.0 101.0 135.0 151.0		580.0 99.0 119.0	158.0 115.0 138.0 184.0 228.0	132.0 159.0 211.0 262.0
Long Radius Elbows AASME/ANSI B16.9		×2		E		34.93 41.28 47.63 53.98		17.48 24.61 30.96 38.89 46.02 52.37		12.70 7.92 9.53 15.88 2	7.92 9.53 12.70 215.88 215.88
Radiu: AE/AN		Wall Thickness 😰 💻		inch		1.375 1.625 1.875 2.125		0.688 0.969 1.219 1.531 1.812 2.062		0.500 0.312 0.375 0.500 0.625	0.312 0.375 0.500 0.625
Long   FASN		Wal	420	04.000	10 STD/20 XS/30 60 80	1 20 1 40 1 60	10 STD/20 XS 30	80 80 120 00 120 00 120	160 10 STD	XS/20 10 STD XS/20 30	10 STD XS/20
Long Radius Elbow 长半径弯头符合ASME/ANSI B16.	*	ion 尺寸 Center to End:A/B 中心至韓間:A/B Center to Center:O	十元十十七〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇〇	ww	A= 838.2 B= 342.9 O=1676.4 K=1117.6		A= 914.4 B= 381.0 O=1828.8 K=1219.2	****	A=990.6 B=406.4	A=1066.8 B= 438.2	A≕1143.0 B= 469.9
				um	558.8		609.6		660.4	711.2	762.0
		Dimen Outside Diameter at Bevel : D	竣口处外径:D	inch	22.000		24.000		26.000	28.000	30.000
;:		Nominat Diameter	公称通径	-	22		24	E.S.	26	58	30
		[	15	<b>.</b>	ට <b>හ හ ග් ග්</b>	00000	(V 0) 14	800490 ( () () () () () () () () () () () () (	2014 014 014	80 O N 80 4 4	97 (D 00 (V)
		Approx. Weight 理论董量	) <sup>6</sup> 180 <sup>6</sup>	Ē		195.0 390 235.0 470 274.0 548 319.0 638 350.0 700			26 88 8 26 88 8 28 88		914 1056 1218 1352
		prox. We 理论篇量	90	kgs		00400	ام استفد	222323		000000	0000
1		Appr	-	ø					292 0 392 0 440 0 492 0	.0 84.0 1.0 140.0 1.0 186.0 219.0 297.0 377.0	
		Appr	45°	Ц	30.0 37.3 59.0 76.5	97.5 118.0 137.0 160.0 175.0	38.1 47.3 66.0	56.5 75.0 84.0 111.0 137.0 5 7.0 137.0	196.0 220.0 246.0	47.0 70.0 93.0 110.0 149.0	229.0 264.0 305.0 338.0
6.			T 45°	EE	6.35 30.0 7.92 37.3 9.53 44.7 12.70 59.0 16.66 76.5	21.44 97.5 26.19 118.0 30.96 137.0 36.53 160.0 40.49 175.0	6.35 38.1 7.92 47.3 11.13 66.0 1	9.53 56.5 1 12.70 75.0 1 14.27 84.0 1 19.05 111.0 2 23.83 137.0 2 23.63 157.0 2 20.36 167.0 2	34.93 196.0 39.67 220.0 45.24 246.0	6.35 47.0 9.53 70.0 12.70 93.0 15.09 110.0 20.65 149.0 20.619 186.0	32.54 229.0 38.10 264.0 44.45 305.0 50.01 338.0
NSI B16.9		Sass		inch mm	0.312 0.355 6.35 30.0 0.312 7.92 37.3 0.30 0.372 7.92 37.3 40 0.500 12.70 59.0 0.556 16.66 76.5	97.5 118.0 137.0 160.0 175.0	0.250 6.35 38.1 0.312 7.92 47.3 0.438 11.13 66.0	56.5 75.0 84.0 111.0 137.0 5 7.0 137.0	1.375      34.93      196.0        1.562      39.67      220.0        1.562      39.67      220.0        1.781      45.24      246.0	47.0 70.0 93.0 110.0 149.0	1      1.281      32.54      229.0        1      1.500      38.10      264.0        1      1.750      44.45      305.0        1      1.969      50.01      338.0
dius Elbows 头符合ASME/ANSI B16.9		to End: A/B 解题: A/B 解题: A/B 指示: O Center: O	Sch. No.	inch mm	0.250 6.35 30.0 0.312 7.92 37.3 0.375 9.53 44.7 0.500 12.70 59.0 0.556 16.66 76.5	0.844 21.44 97.5 1.031 26.19 118.0 1.219 30.96 137.0 1.438 38.53 160.0 1.594 40.49 175.0	10      0.250      6.35      38.1        20      0.312      7.92      47.3        30      0.438      11.13      66.0	0.375 9.53 56.5 1 0.500 12.70 75.0 1 0.562 14.27 84.0 1 0.358 13.03 131.0 2 0.338 23.83 137.0 2 1.55 23.63 137.0 2	1.375      34.93      196.0        1.562      39.67      220.0        1.562      39.67      220.0        1.781      45.24      246.0	D/20 0.250 6.35 47.0 D/20 0.375 9.53 70.0 30 0.500 12.70 93.0 0.594 15.09 110.0 0.812 20.62 149.0 1.031 26.19 146.0	1      1.281      32.54      229.0        1      1.500      38.10      264.0        1      1.750      44.45      305.0        1      1.969      50.01      338.0
ong Radius Elbows 半径弯头符合ASME/ANSI B16.9		ision 尺寸 Center to End: A/B 中心室範囲: A/B 中心室中のとenter: O 市話でのとのter: O	Back to Face:K 版准的集团: K Sch. No. T	mm inch mm	10 0.250 6.35 30.0 20 0.312 7.92 37.3 21D/30 0.312 7.92 37.3 XS/40 0.306 12.70 59.0 60 0.556 16.66 76.5	0.844 21.44 97.5 1.031 26.19 118.0 1.219 30.96 137.0 1.438 38.53 160.0 1.594 40.49 175.0	10      0.250      6.35      38.1        20      0.312      7.92      47.3        30      0.438      11.13      66.0      1	STD      0.375      9.53      56.5      1        XS      0.500      12.70      75.0      1        40      0.562      14.27      84.0      1        60      0.358      14.27      84.0      1        80      0.358      13.05      111.0      2        100      1.156      29.38      13770      2	1.375      34.93      196.0        1.562      39.67      220.0        1.562      39.67      220.0        1.781      45.24      246.0	10      0.250      6.35      47.0        STD/20      0.375      9.53      70.0        XS/30      0.500      12.70      93.0        40      0.594      15.09      110.0        60      0.512      26.05      149.0	1      1.281      32.54      229.0        1      1.500      38.10      264.0        1      1.750      44.45      305.0        1      1.969      50.01      338.0
UVLong Radius Elbows UV		to End: A/B 解题: A/B 解题: A/B 指示: O Center: O	Sch. No.	mm inch mm	406.4 A= 609.6 10 0.250 6.35 30.0 254.0 2.0 0.312 7.92 37.3 C=1219.2 57D/30 0.312 7.92 37.3 K= 812.8 X5/40 0.500 12.70 59.0 K= 812.8 60 0.556 16.66 76.5	0.844 21.44 97.5 1.031 26.19 118.0 1.219 30.96 137.0 1.438 38.53 160.0 1.594 40.49 175.0	A= 665.8 10 0.250 6.35 38.1 B= 285.8 20 0.312 7.92 47.3 C=1371.6 30 0.438 11.13 66.0 1	STD      0.375      9.53      56.5      1        XS      0.500      12.70      75.0      1        40      0.562      14.27      84.0      1        60      0.358      14.27      84.0      1        80      0.358      13.05      111.0      2        100      1.156      29.38      13770      2	1.375      34.93      196.0        1.562      39.67      220.0        1.562      39.67      220.0        1.781      45.24      246.0	A= 782.0 10 0.250 6.35 47.0 B= 317.5 STD/20 0.375 9.53 70.0 O=1524.0 XS/30 0.500 12.70 93.0 K=1016.0 40 0.594 15.09 110.0 66 0.812 25.62 149.0 80 1.031 25.62 149.0	1      1.281      32.54      229.0        1      1.500      38.10      264.0        1      1.750      44.45      305.0        1      1.969      50.01      338.0

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ANSI B16.9 文V 俳		-	:kness Approx. Weight 東 理论重量	T 45° 90° 180°	$\vdash$	9.53 442.795 8 12.70 588.600 11	75 9.53 479.065 958.13 00 12.70 636.880 1273.75	9.53 516.766 12.70 687.055	75 9.53 555.890 1111.78 00 12.70 739.140 1479.27	75 9.53 596.445 1192.89 00 12.70 793.120 1586.24	75 9.53 638.430 1276.85 00 19 70 849.000 1609 00	9.53 681.835	9.53 726.675	9.53 820.650	12.70 1091.600 9.53 920.300	12.70 1224.300	00 12.70 1512500 3025.00
合本的 Hansi B16.9			Wall Thickness	Sch No	inch	STD 0.375 XS/20 0.500	STD 0.375 XS/20 0.500		STD 0.375 XS/20 0.500	STD 0.375 XS/20 0.500	STD 0.375 XS200 0.600			0	XS 0.500 STD 0.375		xS 0.500 XS
长半径弯头符合ASME/ANSI B16.9	*	Dimension 문	Center to End: A/B 中心至韓面:A/B Center to Center:O 中心至中心:O	Back to Face:K 原義附集團:K	uu	A=1905.0 B= 952.5	A=1981.2 B= 990.6	A=2057.4 B=1028.7	A=2133.6 B=1066.8	A=2209.8 B=1104.9	A=2286.0 B=1143.0	A=2362.2	A=2438.4	B=1219.2 A=2590.8	B=1295.4 A=2743.2	B=1371.6	A=3048.0 B=1524.0
		Dimen	Outside Diametar at Bevet : D	核口处外径: D	E	-	1320.8	1371.6	1422.4	1473.2	1524.0	1574.8	1625.6	1727.2	1828.8		2032.0
					inch	50.000	52.000	54.000	56.000	S8.000	60.000	62.000	64.000	68.000	22 000		80.000
4			Nominal Diameter	公称通径		20	52	5.	26	7 <u>8</u>	8	62	64	68	79	: :	80
		Γ		180	kgs				<del></del>		<i>۱</i> ,	(					
			Approx. Weight 提论算量	°06	kgs		597.00 656.00	340.00 408.00			758.00 906.00	510.29 677.78	565.70 751.50	623.97 829.03	685.09 910.36	749.07 995.50	815.90
			de la companya de la	45°	kgs		200.000 209.000 328.000	170.000 204.000 271.000		191.000 229.000 304.000		255.145 338.890	282.850 375.750	311.985 414.520	342.545 455.180	374.535 497.75	407.950
			(ness	-	uu uu	<u> </u>	12.70 55 15.88 17.48	12 7.92 15 9.53 00 12 70			5 15.88 0 19.05	75 9.53 00 12.70	5 9.53 0 12.70	5 9.53 0 12.70	5 9.53 0 12.70	5 8.53 0 12.70	5 9.53
B16.9			wall Thickness	Sch. No.	inch	D 0.375	nz n	0.312 0.375 0.375	30 0.625 40 0.688	10 0.312 STD 0.375 XS/20 0.500		STD 0.375 XS/20 0.500	STD 0.375 XS/20 0.500	STD 0.375 XS/20 0.500	STD 0.375 XS/20 0.500	STD 0.375 XS/20 0.500	STD 0.375
/ANSI				43 V	<u> </u>	STD STD	2 8 <del>3</del>	0 IS X	8 <b>Q</b>	10 STD XS/2	8 9	L S S S	STD XS/2	TS XS	ST XS	ST ST	STD
SME		Dimension 문	Center to End: A/B 中心葉雑菌: A/B Center to Center:O 中心菜中心: O	Back to Face:K 版稿用集图:K	ww	A=1219.2 B= 501.7		A=1295.4 B= 533.4		A=1371.6 B= 565.2		A=1447.8 B= 723.9	A=1524.0 B= 762.0	A=1600.2 B= 800.1	A=1676.4 B= 838.2	A=1752.6 B= 876.3	A=1828.8
uius cin 头符合A		Dimen:		ጅ: D	mm	812.8		863.6		914.4		965.2	1016.0	1066.8	1117.6	1168.4	1219.2
ung nauns cm 半径弯头符合A				4	Ē	8		8		36.000		38.000	40.000	42.000	44.000	8	8
₩ <sup>確</sup> Long Hadius Elbows 长半径弯头符合ASME/ANSI B16.9			Nominal Outside Diameter Diameter at Bevel : D	坡口处外径:	inch	32.000		34.000		36.		ŝ	4	4	44.	46.000	48.000

¥U <sup>∗</sup>		Approx. Weight 理论 <b>算量</b>	180°	kgs	8.68 12.40	16.10 19.60	28	13.50	28. Q	¥ 8 8 8	21.20	8 8 8 8 8	88	48.40	57.80 64.40	71.00	33.40	08.04	<b>4</b> 8.20	76.40	91.40	124.08
ws .28		Appro	<del>3</del> 06	kgs	4.34 6.18	8.04 9.80	11.45	10.20	13.00	19.00	10.60	11.80	16.90	24.20	28.80 32.20	35.50 34.40	16.70	20.40	24.10	38.20	45.70 53.00	61.90
Short Radius Elbows ASME/ANSI B16.28		SSB	Ŧ	H		12.70 15.88			14.27		6.35	7.04 8.18	10.31	15.09	18.26 20.62	23.01 22.23	6.35	8.7	9.27	15.09	18.26 21 44	25.40
Radiu IE/AN		Wall Thickness <b>æ ø</b>		1.1		0.500	a hundra		0.562	0.864	0.250	0.277	0.406	0.594	0.719	0.906 0.875	0.250		0.365	0.594	0.719	
Short 合ASM			Sch. No.		XS/B0	120 120	xx	XS/80	120	SXX	50	30 STD/40	60 V c /a0	100	6 7 9	160 XXS	02	8	SI U/40	8	<u>8</u> §	140/XXS
Short Radius Elbows 短半径弯头符合ASME/ANSI B16.28	<b>1</b>	Dimension 尺寸 Center to End:A Center to Center:O Center:O Center:O	HSHHFS: 0 Back to Face: K 廠業附業間: K	ww	A=127.0 O≃254.0	K=196.9		A=152.4 O=304.8	K=236.5		A=203.2	0=406.4 K=312.7					A=254.0	0=508.0	K=390.7			
		Dimen Diameter D	В: D	E	141.3			168.3			219.1						273.0					
-		Dimer Outside Diameter at Bevel : D	梭口处外径: D	<del>с</del> р	5.563		1	6.62.5			8.625						10.750					
	E.	Nominal Diameter	公称通役		n.			0			æ						ę					
		2	180	kgs kgs	0.26	0.34	0.34	0.56		0.64	1.14	0.86	1.20	2.14	1.72	2.98	02 C	3.66	5.12		7.12	9.04 10.70
		Approx機能	90•	kgs	0.13	0.17 0.22	0.17 0.22	0.28		0.32	0.57	0.43	0.60	1.07	0.86	- <del>-</del>	4. 56 75 75	1.83	3.31	[	3.56	4.52 5.35
		S S S	-	E C	3.38		3.56			2.08 2.08	10.15	3.91	5.54 8.74	11.07	5.16	9.53	5 40	7.62	15.24	ŝ	8.56	11.13 13.49
16.28		Wall Thickness <b>K A</b>				0.250	0.140	0.250 0.382	-	0.200	0.400		0.218 0.344	0.436	0.203	0.375	_		0.600			0.438
ANSI B			Sch. No		STD/40 XS/80	160 XXS	STD/40 XS/80	160 XXS		XS/80	SXX	STD/40	XS/80 160	XXS	STD/40	160		XS/80	NAS XXS		XS/80	120
Short Radius Elbows 短半径弯头符合ASME/ANSI B16.28		Dimension 尺寸 Center Center to End:A 中心至蜂函:A Center Center:O 由心定在A.	Back to Face:K 函幾兩基間: K	um P 25	A=25.4 O=50.8	K=41.1	A=31.8 O=63.5	K=52.3	;	A=38.1 O=76.2 V_E0 0	N-MARK	A= 50.8	O=101.6 K= 81.0		A= 63.5 0-137.0	K=100.1	<u>4</u> - 76.2	0=152.4	K=120./	0.00	A=101,0 0=203.2	K=158.8
hort F 五半径型		Dimen Outside Diameter at Bevel : D	.ଝ. D	Ē	83.4		42.2			48.3		60.3			73.0		86.0				?. <del>*</del>	
		Dutside Diau at Bevel : D	竣口处外径	inch	CIE.1		1.660			1.900		2.375			2.875		3 500					
V the the the the the the the the the the		Nominal Diameter		-																		

	Approx. Weight 理论重量	180°	kgs	101 128 178	9 8 8 8 8 4 8 8 8 8 8 4 8	88 999	123 187 292 292 292 292 292 292 292 292 292 29	152 152 226 516 556 556 556 556 556 556 556 556 55
	Appro	<b>.</b> 06	kgs	50.7 63.0 87,9	148.0 148.0 183.0 222.0 261.0	330.0	62.7 83.4 124.0 124.0 248.0 248.0 304.0 304.0 352.0 352.0	451.0 75.9 113.0 150.0 150.0 150.0 258.0 396.0 396.0 396.0 396.0 396.0 396.0
	ssa	-	Н	6.35 7.92 9.53 11.13			6.35 9.53 1.270 1.270 1.509 2.609 2.619 2.619 3.810 3.810 3.810 3.810 3.810	
	Wall Thickness 離 庫			0.250 0.312 0.375 0.438	0.750 0.500 0.500 0.500 0.500 0.938 0.938 1.156 1.156	1.562	0 0.250 0 0.375 0.500 0.594 0.594 1.061 1.261 1.261 1.500 1.750	
		A F V		₽.8 <b>6</b> 8 9	2 0 X 0 0 0	140 150	10 STDR0 XS/30 40 60 80 120 140	160 110 85020 860 860 1100 1140
	Dimension 尺寸 Dimension 尺寸 Center to End:A 中心至緣面:A Center to Center:O	手 う 術 手 う : O Back to Face:X 関稿 謝 離 : K	шш	A=457.2 O=914.4 K=\$85.8			A= 508.0 C=1016.0 K= 762.0	A= 558.8 O=1117.6 K= 838.2
	Dimens			457.2			206.0	55 58 8
	Dimen Outside Diameter at Bevel : D	被口处外径:D	inch	18.000			20.000	2.000
N) N)	Nominal Diameter	公称通径		18			8	8
୩ <u>୦</u> ୦୫୫୫୫୭୦ :	Approx. Weight 理论 <b>百量</b>	90° 180°	$\left  \right $	23.8 47.6 31.2 62.4 35.4 70.8 38.2 76.4 28.2 76.4	46.1 100.0 63.1 105.0 76.5 1153.0 89.5 1173.0 89.6 1199.0		3,5,5 4,5,4 5,5,4 5,5,4 5,0,6 70,6 141,0 108,0 25,0 177,0 25,0 157,0 25,0 314,	·
		$\frac{1}{1}$		8 8 8 9 0 5 8 8 8 8 9 9 5 8 8 8 8 8			7.85 11.13 11.13 11.13 11.23 11.5.08 21.65 21.73 21.75	
AT.	Wall Thickness 陳 戶	F.		0.250 6 0.330 8 0.375 9 0.375 9 0.406 10			0.375 9 0.375 9 0.438 111 0.500 12 0.594 15 0.750 19 1.094 27 1.094 27 1.1094 27 1.406 33 1.406 33	
	Wall Th	Crh No		886888	SXX		0/30	
	Dimension 尺寸 meter Genter to End:A 中心室集画:A Center to Center:O	子 う 尚 子 う : O Back to Face: X 画線 油集圏・ K	EE	A=304.8 O=609.6 K=466.9		A=355.6	0=1112 K=533.4	A=406.4 O=912.8 K=609.6
	Dimen Outside Diameter at Bevel : D	径: D	шш	323.9		355.6		406.4
	tside	坡口处外径:D	inch	12.750		14.000		16.000
	a c	**						

ÅU 4		Approx. Weight 理论 <b>算册</b>	180	kus	2 Fr										
		Approx. 機论	°06	kos	377.10	416.00 553.00	457.00 607.30	499,40 663.70	544.00	689.00 916.00	741/20				
1 B16.	j			E	826 826	953 1270	9.53 12.70	9.53	953	9.53 12.70	9.53	**			·
	A	Wall Thickness 🛣 🗯		4201	0.375	0.375	0.375 0.500	0:375	0.375	0.375	0.375 0.500				
SNOR RAGIUS EIDOWS ASME/ANSI B16.28		Wali	Coh Mo		STD/20	STD/20 XS	STD/20 XS	smizo xs	STD/20 XS	Ê X	Ê X				
SNORF RAGIUS EIDOWS 短半径弯头符合ASME/ANSI B16.28		Dimension 尺寸 meter Center to End: A 中心実験面: A Center to Center: O	十で十十つ: O Back to Face: K 阿納供養層: K		A=1016.0	A=1066.8	A≡1112,6	A=1168.4	A=1219.2	A=1371.6	A=1422.4				
		Dimen Nameter D	ĕ: D	E	1016.0	1066.8	1117.6	1168.4	1219.2	1371.6	1422.4				
	()	Dimen Outside Diameter at Bevel : D	竣口处外径:D	- Hori	40.000	42:000	44.000	46.000	48.000	54.000	56.000				
	Gi No	Nominal Diameter	公称通径	-	<del>Q</del>	<b>đ</b>	<b>,4</b> ,	<del>4</del> 6	<b>.8</b>	8	8				
1	C. ( 8 a 2 3		T.	T		- <b>-</b> 24 12 _		£							
-	ν	Bht	180°	tas	181	2 04 4 888 0 888 0 888 0 889 0 890 0 800 0 800000000	358 946 048								
		Approx. Weight 理论 <b>适量</b>	°06	kos	90.50	201.00 244.00 340.00	178.00 423.00 524.00	612.00 689.00 773.00	158.53 210.23	184.50 244.16	211.47 280.52	240.80 319.63	272.03 361.17	305.16 405.24	340.20
				E	6.35			59.54 59.54	9.53 12.70	9.53 12.70	9.53	9.53	9.53 12.70	9.53 12.70	9.53
6.28	AT.	Wall Thickness	-	inch	0.250			2.344	0.375	0.375	0.375	0.375	0.375	0.375	0.375
ANSI B1		Wall	CCH NO		10	00 4 00 00 4 00 00 00 00	S 8 8	3 9 8	stoizo XS	STD/20 XS	STD/20	STD/20 XS	STD/20 XS	STD/20 XS	STD/20
Suort radius cloows 短半径弯头符合ASME/ANSI B16.28		Dimension 尺寸 Center Center to End:A meter 中心室踏面:A Center:O	Hord Hore: C Back to Face: K 尾線描編園: K	Ē	A= 609.6	K= 914.4			<u>À=6004</u>	A=7112	A=762.0	A=812.8	A=863.6	A=914.4	A=965.2
には、		Dimen Outside Diameter at Bevel : D	格: D	E	609.6				660.4	711.2	762:0	812.8	863.6	914.4	965.2
2. 短		Outside I at Bevel	竣口处外径:D	i deb	24.000				26.000	28,000	30,000	32.000	34,000	36.000	36.000
		Nominal Diameter	公称通径		24				8	<b>R</b> )		8	\$	8	8

					<b>2</b>	١	3 I	lı	I İ	!	11	I	ł	ı ļ	1	I	I	1	1	1	1	1	1	1	1	1	1	ľ	1	Ľ	ļ		
				Sch.60	-	1	۹ ۱	'	11	1	11	ľ	1	1	1	1	1	1	-	1	1	1	1	-	1	1	1	1	1		Į.	1	
14					Ē	1	11	1	11			-		1   1 0 10		1	1			1	1	1	1 d 2 d			1							
		1		181-	6 ¥ 4		149 149		1.49		2.69			5 9 E				0.00									N 13.50			97 FC	0.00 24-20 R: 65 24 60	01-20 - 24-100 	AC'20 11.
IE/ANSI B16.9	<b> </b> −− <b>∗−−1</b>	Veigh		8 -	mm mm	3.91 2.47	3,38	3.66	3.91		9.68 7 8-10	5.18	5,49 3.56	3.5	5.10	5.49	6:02 3.68	1.91		6.00	16.5 32.5	5.16	2.43	a te	11 5 16			6.55	11 R	8.18 6.00			
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			Outside Diameter	堆口处外径: DiD2 0, D2	E	603			220				6,88				114.3				141.3				, and					1016	1.817		
ł	<b>A</b> *	-ia	· · · · ·							Ц	-		$\square$	╞	$\frac{1}{3}$	H	$\square$	╀	-	+	Η	-	-	╀		1	╀	╀	╀	╋	╉	╀	╀
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ł	9 9 4 9 K	Approx	-Weight	论 辈 赋	kgs	0.57	19.0	1.14	52.8	2.0	1.8	18	3.18	4 42	473	3.63	5.40	6.35	8	11.90	9.0	5		12	88	800	8	0.40	0 0 V	6.70	46.30	61.20	20.00
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	G	1		2	Ē	1.	1	3.68	3.91	3.68	3.91	5.16	3.91	5.54			5.49	6.02	8,56	7.62	6.02 8.55	6.55		8.56	8.55 25	2 2 2 2 2	10.97	1.4	10.97 8 18	12.70	9.18	212	N 6
SI B1	Ü Ø		Small End-	311811 E10.14	inch mm	1.	1	3.68	3.91	3.68	3.91	5.16	3.91	5.54			5.49	6.02	8,56	7.62	6.02 8.55	6.55		8.56	8.55 25	2 2 2 2 2	10.97	1.4	10.97 8 18	12.70	9.18	212	N 6
ANSI B1	00	lickness	Small End		inch	0.133	0.145	0.145 3.68	0.154 3.91	0.145 3.68	0.154 3.91	0.203 5.16	0.154 3.91	0.218 5.54	0.276	0.216	0.216 5.49	0.237 6.02	-0.337 - 8.56	0.300 7.62	0.237 8.02	0.258 6.55	-0.375 - 9.53	0.337 8.56	0.258 6.55	0.280 7.11	0.432 10.97	0.280 7.11	0.432 10.97	0.500 12.70	0.322 0.18	0.500 12.70	0.365 9.2/
SIME/ANSI B1	Ü Ø	Wall Thickness E E	Small End		mm inch	3.910 0.133	3.910 0.145 5.540 0.200	5.160 0.145 3.68	5.160 0.154 3.91 7.010 0.218 5.54	5.490 0.145 3.68	5.490 0.154 3.91	5.490 0.203 5.16	-7.620 0.276 7.01 -6.020 0.154 3.91	-8.560 0.218 5.54	8.560 0.276	6.020 0.216 8.560 0.300	6.550 0.216 5.49	6.550 0.237 6.02	<u>-9-530 0.337 - 8,56</u>	10.970 0.300 7.62	7.110 0.237 8.02 10 070 0.337 8.55	7.110 0.258 6.55	10.9/0 0.3/5 9.53	12,700 0.337 8,56	8,180 0.258 6.55	8,180 0,280 0,290 7,11	12,700 0,432 10.97	9.270 0.280 7.11	0.97 0.432 10.97	12.700 0.500 12.70	9.530 0.322 0.18	12.700 0.500 12.70	9.530 0.365 9.27
F合ASME/ANSI B1	Ŭ Ø	Wall Thickness	dert Small End	大橋:1 小橋:2	inch	0.154 3.910 0.133	0.154 3.910 0.145	0.203 5.160 0.145 3.68	0.203 5.760 0.154 3.91 0.276 7.010 0.218 5.4	0.216 5.490 0.145 3.68	0.216 5.490 0.154 3.91	0.216 5.490 0.203 5.16	0.237 6.020 0.154 7.01	0.337 8.560 0.218 5.54	0.337 8.560 0.276	0.237 6.020 0.216	0.258 6.550 0.216 5.49	0.258 550 0.237 6.02	<u>0.375 2 9.530 0.337 0.55</u>	0.432 10.970 0.300 7.62	0.280 7.110 0.237 6.02	0.280 7.110 0.258 6.55	0.432 10.970 0.375 9.53	0,500 12,700 0,337 8,56	0.322 8.180 0.258 6.55	0.322 8.180 0.280 7.11	0,500 12,700 0,432 10.97	0.365 9.270 0.280 7.11	0.500 12.700 0.432 10.97	0.500 12.700 0.500 12.70	0.375 9.530 0.322 0.18	0.500 12.700 0.500 12.70	0.375 9.530 0.365 9.27
度)符合ASME/ANSIB1	U U U U U	Wall Thickness	Small End		mm inch	3.910 0.133	0.154 3.910 0.145	0.203 5.160 0.145 3.68	0.203 5.760 0.154 3.91 0.276 7.010 0.218 5.4	0.216 5.490 0.145 3.68	0.216 5.490 0.154 3.91	0.216 5.490 0.203 5.16	0.237 6.020 0.154 7.01	0.337 8.560 0.218 5.54	0.337 8.560 0.276	0.237 6.020 0.216	0.258 6.550 0.216 5.49	0.258 550 0.237 6.02	<u>0.375 2 9.530 0.337 0.55</u>	0.432 10.970 0.300 7.62	7.110 0.237 8.02 10 070 0.337 8.55	0.280 7.110 0.258 6.55	0.432 10.970 0.375 9.53	0,500 12,700 0,337 8,56	0.322 8.180 0.258 8.55	0.322 8.180 0.280 7.11	0,500 12,700 0,432 10.97	0.365 9.270 0.280 7.11	0.500 12.700 0.432 10.97	0.500 12.700 0.500 12.70	0.375 9.530 0.322 0.18	0.500 12.700 0.500 12.70	0.375 9.530 0.365 9.27
(长半径)符合ASME/ANSIB1			l arna Enditi Cmall End	Sch. No. Caryo Circuit Sinai	Inch mm inch	0.154 3.910 0.133	0.154 3.910 0.145	STD/40 0.203 5.160 0.145 3.68	STD/40 0.203 5.160 0.154 3.91 V. S.	STD/40 0.216 5.490 0.145 3.68	STD/40 0.216 5490 0.154 3.91	STD/40 0.216 5.490 0.203 5.16	XS/80 0.300 7.620 0.276 7.01 STD/40 0.237 6.020 0.154 3.91	- XS/80 - 0.337 8,560 0.218 5.54	XS/80 0.337 8.560 0.276	XS/80 0.237 6.020 0.216 XS/80 0.337 8.560 0.300	STD/40 0.258 6.550 0.216 5.49	STD/40 0.258 8.550 0.237 6.02	XS/80 _0_375_ 9_530 _0_337_ 8,56_	XS/80 0.432 10.970 0.300 7.62	STD/40 0.280 7.110 0.237 6.02 YS/80 0.432 10.070 0.337 8.56	STD/40 0.280 7.110 0.258 6.55	XS/B0 0 432 10.970 0.375 9.53	XS/80 0.500 12.700 0.337 8.56	STD/40 0.322 8.180 0.258 6.55		XS/80 0,500 12,700 0,432 10.97	STD/40 0.365 9.270 0.280 7.11	2500 12 700 0.500 12 700 0.432 1.0.97	XS/60 0.500 12.700 0.500 12.70	57D 0.375 9.530 0.322 0.18	XS 0.500 12.700 0.500 12.70	STO 0.375 9.530 0.365 9.27
弯头(长半径)符合ASME/ANSI B1	O U U U U		End's End's End's End's End	中心沌 Sch. No. 大輪t1 小编:12	Im mm Inch mm inch	76.2 STD/40 0.154 3.910 0.133	TD/40 0.154 3910 0.145	0.203 5.160 0.145 3.68	0.203 5.760 0.154 3.91 0.276 7.010 0.218 5.4	114.3 STD/40 0.216 5.490 0.145 3.68	0.216 5.490 0.154 3.91	0.216 5.490 0.203 5.16	XS/80      0.300      7.620      0.276      7.01        152.4      STD/40      0.237      6.020      0.154      3.91	XS/80 0.337 8.560 0.218 5.54	152.4 SIM40 0.337 8.560 0.276	152.4 STD/40 0.237 6.020 0.216 XS/80 0.337 8.560 0.300	190.5. STD/40. 0.258 6.550 0.216 5.49	190.5 STD/40 0.258 5.550 0.237 5.02	-33 8 - XS/80 - 0 375 - 8 5 30 - 0 332 - 8 5 5	Z28.0 31.040 0.280 7.110 0.210 3.49 XS/80 0.432 10.970 0.300 7.62	228.6 STD/40 0.280 7.110 0.237 6.02	228.6 STD/40 0.280 7.110 0.258 6.55	<b>  XS/80   0.432   10.970   0.375   9.53</b>	304.8 31.040 0.550 12.700 0.337 8.56	304.8 STD/40 0.322 8.180 0.258 6.55	<b>304.81 XS/80</b> 0.322 8.180 0.375 33 304.81 STD/40 0.322 8.180 0.280 7.11	XS/80 0,500 12,700 0,432 10.97	381.0 STD/40 0.365 9.270 0.280 7.11	Tast 7 CTD/46 0.500 12.700 0.432 10.97	361.0 310/40 0.303 5.270 0.560 12.70	457.2 57D 0.375 9.530 0.322 6.18	XS 0.500 12.700 0.500 12.70	457.2 510 0.375 9.530 0.365 9.27
!异径弯头(长半径)符合ASME/ANSI B1			End's End's End's End's End	中心沌 Sch. No. 大輪t1 小编:12	mm mm inch	33.4 76.2 SID/40 0.154 3.910 0.133	48.3 76.2 STD/40 0.154 3.910 0.145	48.3 95.3 STD/40 0.203 5.160 0.145 3.68	60.3 95.3 STD/40 0.203 5.160 0.154 3.91 V 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	48.3 114.3 STD/40 0.216 5.490 0.145 3.68	60.3 114.3 STD/40 0.216 5.490 0.154 3.91	73.0 114.3 STD/40 0.216 5.490 0.203 5.16	60.3 152.4 XS/80 0.300 7.620 0.276 7.01 60.3 152.4 STD/40 0.237 6.020 0.154 3.91		73.0 152.4 S1040 0.337 8.560 0.276	88.9 152.4 STD/40 0.237 6.020 0.216 XS/80 0.337 8.560 0.300	88.9 190.5. STD/40 0.258 6.550 0.216 5.49	114 3 190 5 STD/40 0.258 0.550 0.237 6.02	XS/80 0 375 - 9.530 0 337 - 8.56	86.9 226.6 510.440 0.260 7.110 0.210 3.43 XS/80 0.432 10.970 0.300 7.62	114.3 228.6 STD/40 0.280 7.110 0.237 6.02 YS/80 0.432 10.070 0.337 8.55	141.3 228.6 STD/40 0.280 7.110 0.258 6.55	717 7 707 8 207 8 2 10.970 0.375 9.53	XS/80 0.500 12.700 0.337 8.56	141.3 304.8 STD/40 0.322 8.180 0.258 8.55	168.3 304.8 STD/40 0.322 80 0.800 0.305 8.33	XS/80 0,500 12.700 0,432 10.97	168.3 381.0 STD/40 0.365 9.270 0.280 7.11	715 1 22 70 0 220 12 700 0 432 10.97	ZIE 301.0 310/40 0.303 8.2/0 0.322 0.19 XS/60 0.500 12.700 0.500 12.70	219.1 457.2 57D 0.375 9.530 0.322 6.18	XS 0.500 12.700 0.500 12.70	273.0 457.2 ST0 0.375 9.530 0.365 9.27
讂对焊异径弯头(长半径)符合ASME/ANSIB1			End's End's End's End's End	Sch. No. Cary a criveri Sullar cru 小葉12	m inch mm mm inch	1.315 33.4 76.2 STD/40 0.154 3.910 0.133	1.900 48.3 76.2 510/40 0.154 3310 0.145	1.900 48.3 95.3 STD40 0.203 5.160 0.145 3.68	2.375 60.3 95.3 5TD/40 0.203 5.160 0.154 3.91	1,900 48.3 114.3 STD/40 0.216 5.490 0.145 3.68	2.375 60.3 114.3 STD/40 0.216 5.490 0.154 3.91	2.875 73.0 114.3 5TD/40 0.216 5.490 0.203 5.16	2.375 60.3 152.4 XS/80 0.300 7.620 0.276 7.01 5.375 60.3 152.4 X5/040 0.237 6.020 0.154 3.91	<b>XX80 0.337 8.560 0.218 5.54</b>	2.875 73.0 152.4 S10490 0.237 8.560 0.276	3.500 88.9 152.4 S1D/40 0.237 6.020 0.216 XS/80 0.337 8.560 0.300	3.500 88.9 190.5 STD40 0.258 6.550 0.216 5.49	4 500 114 3 190 5 ST040 0.258 8.550 0.237 6.02	-32'8	3.500 86.9 228.6 3.10440 0.260 7.110 0.210 3.43 XS/80 0.432 10.970 0.300 7.62	4.500 114.3 228.6 STD/40 0.280 7.110 0.237 8.02	5.563 141.3 228.6 510/40 0.280 7.110 0.258 6.55	7200 2375 357 8 257 8 257 8 257 8 253 10.970 0.375 9.53	4.500 114.3 304.8 31040 0.500 12.700 0.337 8.56	5.563 141.3 304.8 STD40 0.322 8.180 0.258 8.55	- <u> </u>	XS/80 0,500 12,700 0,432 10.97	8.625 168.3 381.0 STD/40 0.365 9.270 0.280 7.11	T 2500 12.700 0.432 10.97	8.623 219.1 361.0 310/40 0.500 32.70 0.500 12.70	<u>3.625</u> 219.1 457.2 570 0.375 9.530 0.322 6.18	XS 0.500 12.700 0.500 12.70	10.750 273.0 457.2 510 0.375 9.530 0.365 9.57
无缝对焊异径弯头(长半径)符合ASME/ANSIB1			End's End's End's End's End	Sch. No. Cary a criveri Sullar cru 小葉12	mm inch mm mm inch mm inch	60.3 1.315 33.4 76.2 ST0/40 0.154 3.910 0.133	60.3 1.900 48.3 76.2 STD/40 0.154 3.910 0.145	73.0 1.900 48.3 95.3 STD/40 0.203 5.160 0.145 3.68	73.0 2.375 60.3 95.3 STD/40 0.203 5.160 0.154 3.91	88.9 1,900 48.3 114.3 STD/40 0.216 5.490 0.145 3.68	88.9 2.375 60.3 114.3 STD/40 0.216 5.490 0.154 3.91	88:9 2.875 73.0 114.3 STD/40 0.216 5.490 0.203 5.16	7.01 114.3 2.375 60.3 152.4 STD/40 0.237 6.020 0.154 3.91		114.3 2.875 73.0 152.4 51040 0.537 8.560 0.276	114.3 3.500 88.9 152.4 STD/40 0.237 6.020 0.216 XS/80 0.337 8.560 0.300	141:3 3.500 88.9 190.5 STD/40 0.258 6.550 0.216 5.49	1413 4 500 114 3 190 5 500 0.258 550 0.237 5.02		168.3 3.500 86.9 228.6 31040 0.200 7.10 0.210 3.43	168.3 4.500 114.3 228.6 STD/40 0.280 7.110 0.237 6.02 XS/80 0.432 10.070 0.337 8.55	168.3 5.563 141.3 228.6 STD/40 0.280 7.110 0.258 6.55		Z19.1 4.500 114.3 304.6 XS/80 0.500 12.700 0.337 8.56	219.1 5.563 141.3 304.8 STD/40 0.322 8.180 0.258 6.55	<u>716 7 6 6 75 168 3 304 8 570/40 0 322 8 6 80 0 280 7 11 3 33</u>	XS/80 0,500 12,700 0,332 10.97	273.0 6.625 168.3 381.0 STD/40 0.365 9.270 0.280 7.11	373 7 6 636 710 1 381 7 510 1 381 7 381 7 381 7 381 7 392 1 97	2/3.0 8.643 219.1 361.0 310/40 0.500 12.700 0.500 12.70	323.9 3.625 219.1 457.2 570 0.375 9.530 0.322 0.18	XS 0.500 12.700 0.500 12.70	323.9 10.750 273.0 457.2 510 10.375 9.530 0.365 9.27
下 无缝对焊异径弯头(长半径)符合ASME/ANSI B16.		Dimension 代サ Outside Diameter at Bevel: D102 /	End's End's End's End's End	D1 Smatt End:D2 中心斑 Sch. No. Carige Criveri Suitat End 小葉D2 雑菌:A 大雄は1 小雄は	Inch mm mm mm inch	60.3 1.315 33.4 76.2 ST0/40 0.154 3.910 0.133	1.900 48.3 76.2 510/40 0.154 3310 0.145	1.900 48.3 95.3 STD40 0.203 5.160 0.145 3.68	2.375 60.3 95.3 5TD/40 0.203 5.160 0.154 3.91	1,900 48.3 114.3 STD/40 0.216 5.490 0.145 3.68	2.375 60.3 114.3 STD/40 0.216 5.490 0.154 3.91	2.875 73.0 114.3 5TD/40 0.216 5.490 0.203 5.16	2 200 714.3 2.375 60.3 152.4 20040 0.237 6.020 0.154 3.91	254 0.337 8.560 0.218 5.54	-1, 4.500 114.3 2.875 73.0 152.4 51044 0.527 8.560 0.276	3.500 88.9 152.4 S1D/40 0.237 6.020 0.216 XS/80 0.337 8.560 0.300	3.500 88.9 190.5 STD40 0.258 6.550 0.216 5.49	4 500 114 3 190 5 ST040 0.258 8.550 0.237 6.02		6.623 168,3 3.500 66.9 226.9 51.040 0.50 7.10 0.510 3.50	4.500 114.3 228.6 STD/40 0.280 7.110 0.237 8.02	5.563 141.3 228.6 510/40 0.280 7.110 0.258 6.55	7200 2375 357 8 257 8 257 8 257 8 253 10.970 0.375 9.53	8.625 219.1 4.500 114.3 504.6 31040 0.550 12.700 0.337 8.56	5.563 141.3 304.8 STD40 0.322 8.180 0.258 8.55	- <u> </u>	8.053 213.1 0.050 10.02 10.97	8.625 168.3 381.0 STD/40 0.365 9.270 0.280 7.11	T 2500 12.700 0.432 10.97	10.750 273.0 8.625 219.1 361.0 310.40 0.500 32.70 0.500 12.700	<u>3.625</u> 219.1 457.2 570 0.375 9.530 0.322 6.18	X 0.500 12.700 0.500 12.70	10.750 273.0 457.2 510 0.375 9.530 0.365 9.57

Welding Tees 女 <b>い</b> 政権三通 ASME/ANSI B16.9		Interestion      Dimension      Mail Thickness-App or X. Weight        Income      End      And Thickness-App or X. Weight      Mail Thickness-App or X. Weight        Income      End      Second      Second      Second      Second      Second        Income      End      Mail Thickness-App or X. Weight        Income      End      Mail Thickness-App or X. Weight      Mail Thickness-App or X. Weight      Mail Thickness-App or X. Weight        Zool 1993      End      Mail Thickness-App or X. Meight      Mail Thickness-App or X. Meight      Mail Thickness-App or X. Meight        Zool 1993      End      Mail Thickness-App or X. Meight      Mail Thickness-App or X. Meight      Mail Thickness-App or X. Meight        Zool 1993      End      End      Thickness-App or X. Meight      Mail Thickness-App or X. Meight        Zool 1993      End      End      Thickness-App or X. Meight      Mail Thickness-App or X. Meight        Zool 1993      End      End      Thickness-App or X. Meight      Mail Thickness-App or X. Meight        Zool 1993      End      End      Thickness-App or X. Meight <th< th=""></th<>
	ر ب ب ب ب	Chammediat      Chammediat        Chammediat      (2)        Chammediat      (2) </td
	でしてい	Nomminal Dameler      Nomminal Dameler        5      2.54      1/5.17        5      2.54      1/5.17        5      2.54      1/5.17        6      2.54      1/5.17        7      4.00      2.17        8      4.00      2.17        9      4.00      2.17        1      4.00      2.17        1      4.00      2.17        1      4.00      2.17        1      4.00      2.24        1      2.00      2.27        1      4.00      2.27        1      4.00      2.24        1      2.10      2.27        2      2.00      2.27        2      2.00      2.27        2      2.00      2.27        2      2.00      2.27        2      2.00      2.25        2      2.00      2.27        2      2.00      2.25        2      2.00      2.25        2      2.20      2
C L		Sch.160      XXS        nmm      kg      mm      mm        1      7.14      1.129      0.015      0.015        4      5.33      11.10      10.75      0.015        6.55      3.18      11.07      7.78      10.15        6.55      3.18      11.07      7.78      10.15        6.55      3.18      10.015      0.015      0.015        6.55      3.18      10.016      9.70      0.015        7.14      3.265      11.07      9.07      0.015        7.14      3.265      19.40      11.07      0.015        7.14      5.36      15.34      10.01      0.10        7.14      5.36      15.34      10.07      0.10        8.23      5.35      13.20      10.07      10.01        8.23      5.35      5.35      11.07      10.02        8.24      11.13      5.30      11.07      10.26        8.23      5.35      5.35      13.20      11.07        8.24 <t< td=""></t<>
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W <sup>维</sup> wel	~ j~~	Kg      m      m        127      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        2.16      5.00      5.00        2.15      5.00      5.00        2.16      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        2.15      5.00      5.00        1.13.00      1.00      1.00        1.13.00      10.00      1.00        1.13.00      10.00      10.00        1.13.00      10.00      10.00        1.13.00      10.00      10.00
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		Sch.40 Sch.60 to the te	287 0.22	8 8 8 8 8	3.38 0.37	3.68 0.41	<b>3.68 0.66</b>	3.88 3.91	5.16 0.88 .3.61 1.44	 	5.16 8.16	8	6 Q	6.55 330	3	1. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.10	8.18 10.50 12.70	17.20 14.27 10.31	827 17.80 15.70 8.18 32 10 15.00 10 31	9.27 33.70 12.70	10.31 35.60	8.18 43.90 16.66 9.27 45.70	Ш	11,13 48.30 15,09 62,50
		Std Sch.40 Sch.60	1 338 2.87 0.14	3.38 0.24 3.38 3.56 0.26 3.56	0.37 3.81 3.38 0.37	5.18 3.56 0.67	0.73 3.69 0.66		0.88	1.22 5.16 1.22	2.51 6.55 5.16 2.60 5.40	6.02 2.72 6.02	6.02 6.02		6.55 6.08 6.55		7.11 10.10 7.11 10.10 -	8.50 7.11 14.10 10.31 7.11 16.50 -	8.18 14.60 8.18 17.20 14.27 10.31	927 1520 927 17.50 12.70 953 816 2400 1113 818 2010 15.08 10.31	0.27 27.40 8.27 30.70 12.70	9.53 28 80 10.31 35.60	9.53 8 18 31.50 12.70 8.18 43.90 16.66 9.27 33.10 9.27 45.70	9.53 34.30 10.31 47.40	8.53 35.20 11,13 48.30
	Vall Thickness-Apporox. Weight	Sch.30 Std Sch.40 Sch.60	Image      Image <th< td=""><td></td><td>338 0.37 3.81 3.38 0.37</td><td>3.66 0.41 3.68 0.41</td><td>0.73 3.69 0.66</td><td>3.58 0.86 5.49 3.68 3.91 0.91 3.91</td><td>5:16 (0.58 5.16 0.58</td><td>1.29 5.48 1.29</td><td>5.15 2.51 8.55 5.15 5.40 2.60 5.40</td><td>6.02 2.72 6.02</td><td>6.02 3.72 6.02</td><td>6.55 3.52 8.15 6.55 6.02 5.55 8.15 6.05</td><td>6.55 6.08 6.55</td><td>7.11 6.31 7.11 6.56 9.90 8.27 6.55</td><td> 7.11 10.10 7.11 10.10 -</td><td>7.80 7.04 9.62 8.16 10.50 8.18 10.50 12.70  9.53 7.11 14.10 10.31 7.11 16.50</td><td>8.38 7.04 14.00 8.18 14.60 8.18 17.20 14.27 10.31</td><td>7.80 14.60 9.277 15.20 9.277 17.20 12.70 857 7.44 7758 855 816 2540 1113 8.16 2510 15.08 1034</td><td>7.80 28.00 8.27 27.40 8.27 3.70</td><td>8.34 30.60 9.53 28.60 10.31 35.60</td><td>9.53 7.04 33.20 9.53 818 31.30 12.70 8.18 43.90 15.66 7.80 34.50 9.27 33.10 9.27 45.70</td><td>8.36 35.80 9.53 34.30 10.31 47.40</td><td>9.53 36.50 9.53 35.20 11.13 49.30</td></th<>		338 0.37 3.81 3.38 0.37	3.66 0.41 3.68 0.41	0.73 3.69 0.66	3.58 0.86 5.49 3.68 3.91 0.91 3.91	5:16 (0.58 5.16 0.58	1.29 5.48 1.29	5.15 2.51 8.55 5.15 5.40 2.60 5.40	6.02 2.72 6.02	6.02 3.72 6.02	6.55 3.52 8.15 6.55 6.02 5.55 8.15 6.05	6.55 6.08 6.55	7.11 6.31 7.11 6.56 9.90 8.27 6.55	7.11 10.10 7.11 10.10 -	7.80 7.04 9.62 8.16 10.50 8.18 10.50 12.70 9.53 7.11 14.10 10.31 7.11 16.50	8.38 7.04 14.00 8.18 14.60 8.18 17.20 14.27 10.31	7.80 14.60 9.277 15.20 9.277 17.20 12.70 857 7.44 7758 855 816 2540 1113 8.16 2510 15.08 1034	7.80 28.00 8.27 27.40 8.27 3.70	8.34 30.60 9.53 28.60 10.31 35.60	9.53 7.04 33.20 9.53 818 31.30 12.70 8.18 43.90 15.66 7.80 34.50 9.27 33.10 9.27 45.70	8.36 35.80 9.53 34.30 10.31 47.40	9.53 36.50 9.53 35.20 11.13 49.30
	wall Thickness-Apporox. Weight	Sch.20      Sch.30      Std      Sch.40      Sch.40      Sch.60        1				336 0.41 3.26 0.41	3588      0.581      3468      0.686											6.36 5.36 7.39 7.99 7.97 7.04 9.52 8.16 10.50 8.18 10.50 12.70	6.35 6.35 10.70 8.38 7.04 14.00 8.18 14.50 8.18 17.20 14.27 10.31	6.35 11.10 7.80 14.60 9.27 15.20 9.27 15.20 9.27 17.90 12.70 7.500 6.55 21.1 774 7754 6.55 8.16 300 11.13 6.18 22.10 15.06 10.31	8.38 24.20 7.80 29.00 8.27 27.40 8.27 37.70 12.70	6.35 25.60 8.34 30.50 9.53 28.60 10.31 35.60	7.22 6.25 27.70 9.53 7.04 33.20 9.53 8.18 31.90 12.70 8.19 43.90 16.66 6.25 28.80 7.80 38.50 9.27 33.10 9.27 45.70	6.35 29.90 8.38 35.80 8.53 24.30 10.31 47.40	6 7,92 30.50 9.53 36.50 9.53 35.20 11.18 48.30
Welding Reducers 动桿异径管 ASME/ANSI B16.9	Vall Thickness-Apporox. Weight Center to	End      Sch.20      Sch.30      Std      Sch.40      Sch.60        H      ti      ti <td></td> <td>82.5      -      -      -      -      -      -      -      -      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.36      0.24      3</td> <td>78.2</td> <td>762 4 256 0.41</td> <td>888 338 0.68 3.69 0.64</td> <td>88.9 2.48 2.88 0.85 5.49 2.83 88.9 2.54 2.54 2.54 2.54 2.54 2.54 2.54 2.54</td> <td>86.9</td> <td></td> <td>1270 258 6.55 5.16 </td> <td></td> <td></td> <td>6.55 3.52 8.15 6.55 6.02 5.55 8.15 6.05</td> <td>1524 655 6.00 6.55</td> <td>3524</td> <td>- 177.8 7.11 (0.10 - 7.11 (0.10 -</td> <td>177.8 6.35 6.35 7.89 7.89 7.04 9.62 8.16 10.50 8.18 10.50 12.70 2032</td> <td>2032 636 6.35 10.70 8.38 704 14.00 8.18 14.60 8.18 17.20 14.27 10.31</td> <td>6.35 11.10 7.80 14.60 9.27 15.20 9.27 15.20 9.27 17.90 12.70 7.500 6.55 21.1 774 7754 6.55 8.16 300 11.13 6.18 22.10 15.06 10.31</td> <td>2002 6.35 24.20 7.90 29.00 8.27 27.40 9.27 23.70 12.70</td> <td>2002 6.35 25.60 8.34 30.60 9.53 28.60 10.31 35.60</td> <td>6.35 27.70 9.53 7.04 33.20 9.53 8.18 31.90 12.70 8.18 43.90 16.66 6.35 28.80 7.80 34.50 9.27 30.10 9.27 45.70</td> <td>355.6 6.35 29.90 8.38 35.80 8.51 34.30 10.31 47.40</td> <td>355.6 7,22 30.50 9.53 35.50 9.53 35.20 11.18 48.30</td>		82.5      -      -      -      -      -      -      -      -      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.38      0.24      3.36      0.24      3	78.2	762 4 256 0.41	888 338 0.68 3.69 0.64	88.9 2.48 2.88 0.85 5.49 2.83 88.9 2.54 2.54 2.54 2.54 2.54 2.54 2.54 2.54	86.9		1270 258 6.55 5.16 			6.55 3.52 8.15 6.55 6.02 5.55 8.15 6.05	1524 655 6.00 6.55	3524	- 177.8 7.11 (0.10 - 7.11 (0.10 -	177.8 6.35 6.35 7.89 7.89 7.04 9.62 8.16 10.50 8.18 10.50 12.70 2032	2032 636 6.35 10.70 8.38 704 14.00 8.18 14.60 8.18 17.20 14.27 10.31	6.35 11.10 7.80 14.60 9.27 15.20 9.27 15.20 9.27 17.90 12.70 7.500 6.55 21.1 774 7754 6.55 8.16 300 11.13 6.18 22.10 15.06 10.31	2002 6.35 24.20 7.90 29.00 8.27 27.40 9.27 23.70 12.70	2002 6.35 25.60 8.34 30.60 9.53 28.60 10.31 35.60	6.35 27.70 9.53 7.04 33.20 9.53 8.18 31.90 12.70 8.18 43.90 16.66 6.35 28.80 7.80 34.50 9.27 30.10 9.27 45.70	355.6 6.35 29.90 8.38 35.80 8.51 34.30 10.31 47.40	355.6 7,22 30.50 9.53 35.50 9.53 35.20 11.18 48.30

Š	Approx weight 避役國憲 (frg)		178.4	142.6	164.9	160.0	156.8	1.69.1	184.3	178.5	174.6	1698	198.9 (ol or	186.	iBà	179.5	174.6	208.6	203.7	198. <u>5</u> .	ibe 0	218.3	248.7	243.0	237.4	200K 6	280.1	24.4	248.7
810.9	Я Ч		8	<b>a</b> 19	\$	Ŕ	\$X	Ś	Ň	S.	X	Ŕ	8 <u>3</u>	2 ;¥	2 3	×	8	ø	38	Ş.	8	Ŕ	\$	X	Ś	8	S.	. \$	×
AIGHT ANSI B16.9	Approx.weight 理论算量 (kg)	2	5191 211-1	4181	123.8	126.0	1221	148.9	ોતડો છે	iáia	137.5	130.7	156.6	148 8	131	141.3	137.5	164.3	160.4	165.6	1528	8171	195.8	191.4	186.9	209.1	204.8	2001	195.8
	Sch No.		8	8.8	R	8	28	28	<u>B</u>	8	8	8	8 7	8 8	8.8	8	8	æ	8	g.	3	8	3	8	8	8	8	8	8
JL	Ênd to End 金长 H(mm)		010 010	610 610	610	610	610	610	<b>610</b> .	610	610	610	610	010	êtê	610	610	610	610	610 <sup>.</sup>	610	610	111	111	711	112	ĨĹ	Ē	112
	Outside Diameter at Bevei:D 梭口处外径:D D, D,(mm)	ڻ م	865×914	- 1988 ×	292.×	11.2×	7887	1018×955	×914	· xðói.	×813	×78	1067 × 1016	86X,	1	×813	×785	1118×1067	× 1018	536×	¥814	BIII×8911	× 1067	x 1016	536×	1219×1168	8111×.	× 1067	× 1018
)。 [J_B	ज के छं।	5	8 × 8	a X	8×	81 X	×26	- 40 × 38	×36.	×34	ă	×30	4×8	8 J	į	8,	90 ×	44 × 42	Q7X	×38	88.*	48 x 44	24×	Q7 ×	8,×	48 × 46	x 44	¥.	6×
ରୁ ଜୁନ																													
(M) 1. 2 2 4 4 2 9 0 5 9	Approx.waight Reteal	5	05.85	48,50	76.70	72.67	66.20	64.80	76.70	72.60	88.90	84,80	121.20	116.40	109.60	130.90	116.40	05111	135.80	131,00	121.30	145.50	140.50	160.10	155.20	145.50	08.691	184,90	188.10
	Sch No Reprox weight (Kg)			XS 46.50 VS 25.50		╉		╉						+-		+		╞		╉	+		-			╀	┼		
		5	4 X		× X	XX	2	g;	XS	SS I	ex SX	XS :	ev SX	SX XX	Ś S	X X	X	22 X	Į Ø	S I	××	SX	2 X	× SX	XS	XS	SX SX	XS	
	Sch Sch		38.12 XS	sx ;	60.40 XS	57.20 XS	52.00 XS	(66.80) 203	60.40 XS	27.30 XS	70.00 XS	SX 08,890	85.40 XS	91.60 XS	84.00. XS	103,10 XS eatin XS	91.60 XS	87,20 XS interné XS	106.90 XS	103.10 <sup>-</sup> XS	18550 XS 1	114.60 XS	110.70 XS 401.00	126.10 XS	122.30 XS	114.60 XS 110.80 XS	SX Q/TR1	129,80 XS	128.00 XS
「	Approx weight 建設質量 Sch No (4g)		880 8812 XS	820 820 820 820 820 820 820 820 820 820	Stel :60.40 XS	Sta 51,20 XS 614 C 46	364 82,00 XS	Std 66.80 73	SX OPTOD DAC	Std 57.30 XS	SX 100.07 1985	State 688.80 XS	Std 85.40 XS	Sta 91,60 XS 514 87,800 XS	Sed 84,00 XS	(Stef 103.10 XS 554 103.10 XS 555 103.10 XS	SX 0916 28	Std 87,80 XS	· Skd 106.90 XS	SX 01001 PSS	Set 1550 XS Set 118.40 XS	Set 114,60 XS	Sta 110.70 XS 151.00 XS	Stat 1285.10 XS	SM 122.30 XS		SX 0/101 PS.	Sud 129.80 XS	128.00 XS
	Approx.weight Sch No 译的		381 550 4070 755 755 755 755 755 755 755 755 755	54 55 55 55 55 55 55 55 55 55 55 55 55 5	506 Std 60.40 XS	508 Std 57.20 XS	364 82,00 XS	508 Std 65.80 XS	508 Std 60.40 XS	508 Std 57.30 XS	508 500 / 120 / 250 / 200 / 200 / 200 / 200 / 200 / 200 / 20	506 Srd 666.80 XS	Std 85.40 XS	810 Std 91,60 XS atro 544 87.840 XS	610 Std 84,000 XS	610 Sad 103,10 XS e.n 5.4 co.30 XS	610 Std 9160 XS	610 Sid 87,80 XS E.O. SM INRON XS	610 Sed 106.90 XS	610 Std 105.10 XS	Set 1550 XS Set 118.40 XS	610 Sed 114.60 XS	610 Std 110.70 XS 8.0 CM 01.00 XS	610 Std 125.10 XS	610 Star 122:30 XS	B10 Std 114,50 XS E10 Cu 11050 XS	SX 0/101 PS.	eio Sid i29.80 XS	28.00 XS

Š <sup>₩</sup>		Approx.weight 選论篇集	(6x)	356.0.	350.2	ઉંદેલ ત:	373.4	367.5	361.7 Sér A	384.9	378.2	373.4	367.5	8865 1.05 1.05	361.2	(1986) (1986)	406.1	402.3	396.5	390.8	418.7	ái39	408.1	\$Q3	431.0	¥.	418.6	413.8	8770 0772
B16.9	┱ <mark>╢═╴╸╴╴</mark>	ch the		Ŕ	Ś	\$.	9X	Ŕ	X 3	s à	S.	Ŕ	ų	8 <u>8</u>	2 92	S8	Ŕ	SZ	Q	Ŕ	Ş.	9	Ř	×	Ø	y :	8	8	8 X
ASME/ANSI B16.9		Approx.weight I2%	(6x)	274.4	źrożo	Żecić	280.B	280.2	278.B	2018	386.2	1.082	2882	306.5	3867	2862	314.5	310.0	305.5	301.1	ł.	318.9	314.5	310.0	eas	8.72	5 <b>25</b>	318.8	241.1 208.7
对焊导径管 AS		Sch No Sch No	8	8	ξς.	<b>'</b> 8'	8	8	8 2	3 3	8	8	8	83	8	:8	8	PKS	B	8	B.	8	8	8	8	8	8	8	3 3
<b>戦</b> 友	JL	End to End 会长	H(mm)	ž	<i>ź</i> tř	' <del>7</del> 4'1	711	71	E F	<u>3</u>	112	71	711	E F	314	ini	711	111	111	111	112	112	112	ii.	112	71	ii?	Ē.	E E
	┲┠═╾┥	Outside Diameter at Bevei:D 坡口处外径;D	D, D,(mm) D, D,	1626×1524	-x1473	×1422	1676×1626	x1575	×1524	1727×1678	× 1626	×1575	× 1524	1778×1727 Users	itee	× 1575	1829×1778	1221×	x 1676	,×,1626	1680 × 1629	8171.H	(221×	× 1676	1830×1880	×1829	8/21×	1241×	1961 × 1800 × 1860
	\$\$ \$		公恭通役 inch	Če x, čě	k BB	95×	66 × 64	ğ	8 .ş	8 . S	<b>S</b> X	ă	8×	88 X	184. 184.	S.	72×70	×66	<b>9</b> 9 ×	×64	74 × 72.	0	89×	8×	76×74	u x	<u>۹</u> ×	8. 8	78×76
	୍ ଭ																												
	્ર પ્રેચ્ચે ક્ષે ' ર ગ	Approx weight 現役員會	(kg)	280.7	2748	. 2661.2	263.4	282.3	286.5 2007	OFUZ.	304.0	2860	2023	284.5	árti.	303.8	298.0	0.726	E 12	315.6	- 308.6	328.6	322.8	327.0	321.3	350.2	344.4	328.6	32.6
	. (1. 7. 3 & . 1 9 .	Approx.weight Approx.weight 强快度集		280.7										XS 284.5 YS 214.5						-	╉							_	
joj	્ર પ્રેચ્ચે ક્ષે ' ર ગ						×	g	88		×	X	×	+	2 Y	R	Ŕ		X	Ø	ø	\$2:	X	×	×	Ŕ	×	×	
ANSI B16.9	્ર પ્રેચ્ચે ક્ષે ' ર ગ	Star No.	(6 <sub>3</sub> )	ġ		207.8 XS	203.1 XS	225.4 XB	88	2120	234.3 SS	230.0 XS	226.4 XS	8 K	2387 XS	234.2 XS	2294.8 XS	XS	247.7 XS	Ø	,238.7 SS	zei o xs	296.5 XS	232.1 XS	247.7 XS	270.0 XG	286.5 XS	281.0 XS	X X
管 ASME/ANSI B16.9	્ર પ્રેચ્ચે ક્ષે ' ર ગ	Approx.weight Sch No. 25ch No.	(ra)	2164 XS		207.8 XS	5te 203.1 XS	Sed 225.4 25	2209 XS	2450 Set	Sed 234.3	Skd 230,0 XS	Std 225.4 25	221.0 XS	Sar 2.85	Std 234.2 XS	Std 22948 X5	252.0 XS	Stel 247.7 XS	6ad	Stá 2387 YS	Sid 261.0 XS	Std 256.5 XS	Std 2521 XS	Std 247.7 XS	Sat 2700 X8	Ski 286.5 XS	Std 281.0 XS	20666 XS 20966 XS 2010 YS
对桿异位管 ASME/ANSI B16.9		Approx.weight Sch.No 描訳書集	H(mm)	. Stoř. Žtíčka XS	Stef2120 XS	Stat 207.8 XS	711 Stat 2001 XS	711 Sta 255.4 25	711 Std 22039 XS	71 See 2120	Sed 234.3	711 Std 2300 XS	711 Std 255.4 X5	Stat 221.0 XS Etd. 0.025 VS	71 587 7.85	7/14 Std 234.2 XS	711 Std 22948 XS	Std 252.0 XS	711 Std 247.7 XS	6ad	711 Std	Std Zeito XS	711 Std 2565 XS	711 Std 2321 XS	711 Ski 247.7 XS	741 Stat 2700 XS	711 Std 286.5 XS	71:1 Skd 281.0 XS	Set 25655 X55 6-1 3720 Y55

唯一		T		ĹΠ			1		Т	-	Т	1	Т	Т	Т	Т	Ť												
<b>S</b> <sup>★</sup>	Approx.weight 建论 <b>随識</b> (kg)	2005	SÌĞĞ	sait	6123	518.0	547.0	5412	2007 1	8.92	5582	823	547.0	5412 2	entre E	564.4	568.7	8259											
B 10 00	Sch No.	is.	.SX	XS	XS	x	xx	SX	ŝ	x	xs	xs	xs	šx;	<u>8</u>	ŝ	xs	x											
Welding Reducers	Approx.weight 建設賞賞 (kg)	390.2	4125	406.0	403.5	0.695	6124	416.9	4124	408.0	4302	425.8	421.3	416.9	1.954	9.96.5	430.3	425.6											
Welding Reducers 对程异径管 ASME/ANSI B16.9	Sch No.	Sta	Slâ	Sid	Sid	Set	S.	BS	8	Stef	SK	B	SK	3	Std	Set	Se	Sd											
	End to End 金 <del>佑</del> H(mm)	114	žit	Ч <u>,</u>	112	Ē	71	41¢	H	Ê	۶	74	£	711	ЧĻ	ju,	112	HZ I											
₹ <mark>↓</mark>	Outside Diameter at Bevel:D 统대산사险:D D, D,(mm) D, D,	2337×2134	2368×2307	* 2286	× 2235	×2184	2436×2366	×22	¥ 2286	× 2235	2489 × 2438	× 2388	1522×	x 2286	2540 × 2499	×348	x 2388	×2307											
So I	Nominal Diamater 公務通復役 inch	92 × 64	94×92	.88×	98 ×	8 ×	96×94	ž	.8 X	8	8×86	××	88 ×	8×	ion 2 66	.88 X	a, x	×82											
K K																													
	k: meight (kg)	1312	12E 4	134.4	148.6	6.54	127.0	468.Ò.	160.2	1241	1897	17.6	81/4	ide0.0,	10.5	1991	103	175	1.00	1965.0	1.00	603	512.3	206.5	80.7	196.0	6123	518.0	12.3
	Approx waight Approx waight 建位重量	4312		454.4	448.6		_			454.4	448.7	477.6	471.8	408.0,	: eff0.2	468.1	453.3	477.5	1.0.4 2008,	.495.0	-480,1	463.3	\$12.3	506.5	\$00.7°	á96.0	6723	518.0	512.3
	Sch No.	& &12			XS 448.6		_					X5 47.6			2034 A		XS 483.3				XS +489.1								
			x			R	R	×	×	Ŕ	×	8	×	Ŕ	92 2	¥.	×		Q 92	Ŕ	8	\$	\$	Ŕ	8	X	.X.	X	ž
	Sch No.	Ŕ	.327.8 XS	8	\$	341.2 XS	336.7 XS	šče,ô XS	.354.5 XS	350.0	345.7 XS	368.0 XS	363.5 XS	359.0 XS	364.6: XS	:376.8. XS	372.3 XS	367.8 XS	Q 92	301.3 25	8	372.3 XS	394.6 XS	3eo.1 XS	346.7 XS	381.3 XG	403.5 XS	SX 0'86E	Stel 354.6 XS 512.3
	Approx weight · 建论管备 Sch No. (fig)	925) 22	Std: .327.8 XS	350.0 XS	Sed 345.6 XS	Sat 341.2 XS	5td 336.7 XS	Stor šišo.o XS .	.Std	Std	Std 345.7 XS	Sta 368.0 XS	State 3cta.s XS	.Stel 359.0 XS	(\$1) 384.5. 25 264.5. 25	Stel : 376.8. XS	Side 372.3 XS	Std 367.8 XS	365.6 XS	Std 301.3 7S	376.6 XS	3kd 372.3 XS	Set 394.6 XS	Std 380.1 XS	Sté àcc.7 XS	Stef 381.3 XG	Stat 400.5 NG	SK 388.0 XS	Set 3946 X5
in such a second	Approx.weight Sch No. · 建改管量 Sch No.	. Std 332.3, 75	711 Staff 327.8 XS	Sta 350.0 XS	711 Std 345.6 XS	Sat 341.2 XS	711 . Std 338.7 XS	711 Ster 3559.0 XS	711 Std	711 Std 350.0	711 Std 345.7 XS	711      Std      368.0           ろ          ろ	711 Std 3e3.5 XS	711 Std 359.0 XS	7(i) (Sid) 304.0. XG	711 584 :376.8 25	711 Std 372.3 XS	711 Std 367.8 XS	254 252 252 252 252 252 252 252 252 252	711 Std 301.3 75	Sid 376.8 XS	711 Std 372.3 XS	711 Set 394.6 XS	711 Std 390.1 XS	Sté àcc.7 XS	711 Stei 381.3 XS	711 Staf 40035 XS	711 Std 398.0 XS	3946 XG

Mail Thickness  Approx.    Mail Thickness  Mail Thickness    Mail Thickness  Mail Thickness    Mail Thickness  Approx.    Stated  District    District  Add    Stated  District    District  Add    Stated  District	1  Set 1	Multiliterest      Approx        State      Dist      238	書編 ASME/ANSI B16.9	Dimensions · · · · · · · · · · · · · · · · · · ·	Length:E/E.	酸口於外睑;U 全菌;EFs Sch.No. mm mm Sch.No.	000 406.4 117.8203 SedXS440 0.3750.500 000 457.0 203.2729 SedXS 0.3750.500	508.0 228.81254 StdXS	559.0 254.0/254 StdXS	610.0 266.7/305 StdXS	000 860.0 286.7205 3347X5 0.3750.500 000 314.0 266.7705 334750 0.3750.500	762.0 266.7/205 StdXS	813.0 266.77305.	000 884.0 Z96.7/205 StatXS 0.375/0.500 000 914.0 Z86.7/205 StatXS 0.375/0.500	965.0 267.0:	000 1016.0 290.0 296.0 296.000 000 1016.00	1118.0 315.0 StatX5	000 1168.0 315.0 346.0 0.3750.500 000 1219.0 340.0 Starts 0.3750.500	1270.0 340.0 StatXS	1320.0 365.0 StdXS	1371.0 365.0 StdXS	000 14220 390.0, Static 0.3750.500 000 14730 390.0 Static 0.3750.500
Nall Thicknesst      D      D      D        Nall Thicknesst      Stidag      0      133      14        X5680      0      0      133      133      14        X5680      0      0      133      133      14      14        X5680      0      0      133      133      14	1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1  1  1  1  1  1  1    1 <th>1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1<th></th><th></th><th></th><th></th><th>16 18.000 18.000</th><th></th><th></th><th></th><th></th><th></th><th>32 32.000</th><th>34 34,000</th><th>36</th><th></th><th></th><th>.46 46.000 48 48.000</th><th></th><th>52 52.000</th><th></th><th></th></th>	1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1  1  1    1  1  1  1  1 <th></th> <th></th> <th></th> <th></th> <th>16 18.000 18.000</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>32 32.000</th> <th>34 34,000</th> <th>36</th> <th></th> <th></th> <th>.46 46.000 48 48.000</th> <th></th> <th>52 52.000</th> <th></th> <th></th>					16 18.000 18.000						32 32.000	34 34,000	36			.46 46.000 48 48.000		52 52.000		
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	日本 127、014  101	Dimensions      Efficient        Arth      Arth		Weil Thickness:t	11 : 1 12 18	lıct.	0.133	0,140	0.145	0.200	0.218	0.203	0.216	0.237 0.337	0.258	0.280	0:322	0.365 0.500	0.375	0,406	0.375	0050