



DAE YOUNG BEND Co., LTD.

(주)대영벤드 DAE YOUNG BEND Co., LTD.

우) 10046
경기도 김포시 대곶면 삭시갈마로 160-2
TEL : 031. 998. 4963~4
FAX : 031. 998. 4965
E-mail : dy@dybend.co.kr

160-2, Saksigalma-ro, Daegot-myeon,
Gimpo-si, Gyeonggi-do, 10046, KOREA
TEL : +82. 31. 998. 4963/4
FAX : +82. 31. 998. 4965
[Http://www.dybend.co.kr](http://www.dybend.co.kr)



DAE YOUNG BEND

스테인레스 피팅의 대표주자

Elbow / Tee / Reducer / Cap



GROOVE FITTING



GROOVE JOINT



PIPE GROOVING MACHINES



AUTOMATIC PIPE GROOVING MACHINES

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS
DAE YOUNG BEND

KTC18-0030

[정기심사인표일: 2021년 01월 23일]



제품 인증서

1. 제조업체명 : (주)대영밴드
2. 대표자성명 : 최원보
3. 공장 소재지 : 경기도 김포시 대곶면 석시갈마로 160-2
4. 인형제품
 - 가. 표 준 명 : 강제 맞대기 용접식 관이음쇠
 - 나. 표준번호 : KS B 1543
- 다. 종류 · 등급 또는 호칭 : - 이면기재, 굽.

「산업표준화법」 제17조제1항에 따른 인증심사를 한 결과 한국산업표준(KS)과 인증심사기준에 적합하므로, 「산업표준화법」 제15조 및 같은 법 시행규칙 제10조 제1항에 따라 위와 같이 한국산업표준(KS)에 적합함을 인정합니다.



2018년 04월 09일

한국기계전기전자시험연구원
 Korea Testing Certification



※ 변경내역 이면기재

출력일 : 2018년 06월 09일

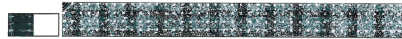
출력고 : (주)대영밴드 (IP:111.143.93.25)

위생안전기준 인증서

1. 인 중 번 호 : KCW-2011-0304
2. 제조 업체명 : (주)대영밴드
3. 대 표 자 : 최원보
4. 분 사 주 소 : 경기도 김포시 대곶면 석시갈마로 160-2
5. 공장 소재지 : 경기도 김포시 대곶면 석시갈마로 160-2
6. 제 목 명 : 배관용 관편대 및(대) 용접식 관이음쇠
7. 종류, 등급 또는 호칭 : 별지참조
8. 용 도 : 일반 수도용 자재

「수도법」 제14조제1항 및 「수도용 자재와 제품의 위생안전기준 인증 등에 관한 규칙」 제8조제1항에 따라 위생안전기준 인증서를 발급합니다.

2011년 12월 26일



본 인증서 원본 확인은 인증등록정보망(www.kctap.or.kr) 자료실에 바코드스캐너프로그램을 설치하여 확인할 수 있습니다.

JIS

日本工業規格表示認証書

認証番号
CRKR13004

大英バンド 殿

工業標準化法第23条第1項の規定により日本工業規格の表示について下記のように認証する。

(註 証)平成 25年 6月 25日
(外國登録認証機関 登録番号000701)

韓国化学融合試験研究院 院長 趙基 成

記

認証取得者の氏名又は名称及び住所	大英バンド 京畿道 金浦市 大車面 大陵里 257-17
認証に係る日本工業規格の番号及び日本工業規格に規定されている場合は種類又は等級	JIS B 2309
鉄工業品又は加工技術の名称	一般配管用ステンレス鋼製突合せ溶接式管継手
認証の区分	認証の区分: 別紙参照 認証の範囲: 別紙参照
認証に係るすべての工場又は事業場の名称及び所在地	大英バンド 京畿道 金浦市 大車面 大陵里 257-17
認証有効期間	2016年 6月 24日

JIS

日本工業規格表示認証書

認証番号
CRKR13005

大英バンド 殿

工業標準化法第23条第1項の規定により日本工業規格の表示について下記のように認証する。

(註 証)平成 25年 6月 25日
(外國登録認証機関 登録番号000701)

韓国化学融合試験研究院 院長 趙基 成

記

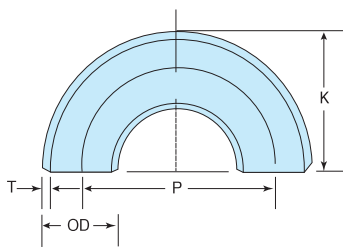
認証取得者の氏名又は名称及び住所	大英バンド 京畿道 金浦市 大車面 大陵里 257-17
認証に係る日本工業規格の番号及び日本工業規格に規定されている場合は種類又は等級	JIS B 2313
鉄工業品又は加工技術の名称	配管用銅板製突合せ溶接式管継手
認証の区分	認証の区分: 別紙参照 認証の範囲: 別紙参照
認証に係るすべての工場又は事業場の名称及び所在地	大英バンド 京畿道 金浦市 大車面 大陵里 257-17
認証有効期間	2016年 6月 24日

INDEX

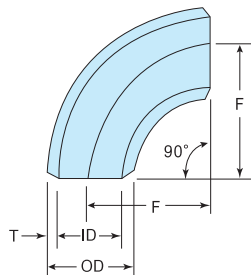
- 3 (KS/JIS) 90° ELBOW(LONG,SHORT), 45° ELBOW, 180° ELBOW(LONG, SHORT)
- 4 (KS/JIS) TEE
- 6 (KS/JIS) REDUCER (CONCENTRIC, ECCENTRIC)
- 8 CAP & LAP JOINT-STUB END
- 10 DIMENSIONAL TOLERANCES FOR STAINLESS STEEL
- 12 WELDING END PREPERATIONS
- 13 GROOVED FITTING (STS)
- 14 PIPE GROOVING MACHINES
- 15 GROOVING CHART

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Elbow)

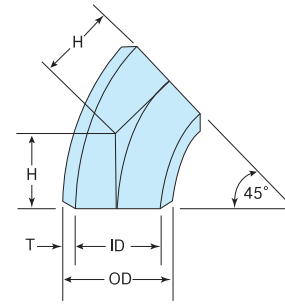
Sch 5S, 10S, 20S, 40S



180° Elbow
(Long, Short)



90° Elbow
(Long, Short)



45° Elbow
(Long, Short)

KS
JIS

LONG KS B 1543, JIS B 2313

Unit : mm

Nominal Size		OD	Wall Thickness				F	H	P	K	Approx Weight (kg)			
A	B		5S	10S	20S	40S					5S	10S	20S	40S
15	1/2	21.7	1.65	2.1	2.5	2.8	38.1	15.8	76.2	49.0	0.049	0.061	0.071	0.078
20	3/4	27.2	1.65	2.1	2.5	2.9	38.1	15.8	76.2	51.7	0.062	0.078	0.091	0.104
25	1	34.0	1.65	2.8	3.0	3.4	38.1	15.8	76.2	55.1	0.079	0.129	0.137	0.153
32	1 1/4	42.7	1.65	2.8	3.0	3.6	47.6	19.7	95.2	69.0	0.125	0.206	0.219	0.259
40	1 1/2	48.6	1.65	2.8	3.0	3.7	57.2	23.7	114.4	81.5	0.171	0.284	0.303	0.368
50	2	60.5	1.65	2.8	3.5	3.9	76.2	31.6	152.4	106.5	0.286	0.476	0.588	0.651
65	2 1/2	76.3	2.1	3.0	3.5	5.2	95.3	39.5	190.6	133.5	0.575	0.811	0.940	1.36
80	3	89.1	2.1	3.0	4.0	5.5	114.3	47.3	228.6	158.9	0.808	1.14	1.51	2.03
90	3 1/2	101.6	2.1	3.0	4.0	5.7	138.4	55.3	266.8	184.2	1.08	1.53	2.02	2.82
100	4	114.3	2.1	3.0	4.0	6.0	152.4	63.1	304.8	209.6	1.39	1.97	2.60	3.83
125	5	139.8	2.8	3.4	5.0	6.6	190.5	78.9	381.0	260.4	2.83	3.42	4.97	6.48
150	6	165.2	2.8	3.4	5.0	7.1	228.6	94.7	457.2	311.2	4.02	4.87	7.09	9.93
200	8	216.3	2.8	4.0	6.5	8.2	304.8	126.3	609.6	413.0	7.05	10.0	16.1	20.1
250	10	267.4	3.4	4.0	6.5	9.3	381.0	157.8	762.0	514.7	13.2	16.6	25.0	35.4
300	12	318.5	4.0	4.5	6.5	10.3	457.2	189.4	914.4	616.5	22.3	25.9	35.9	56.2
350	14	355.6	4.0	4.8	7.9	11.1	533.4	220.9	1066.8	711.2	28.8	34.6	56.9	79.1
400	16	406.4	4.2	4.8	7.9	12.7	609.6	252.5	1219.2	812.8	39.7	45.3	74.5	118.0
450	18	457.2	4.2	4.8	7.9	14.3	685.8	284.1	1371.6	914.4	50.3	57.3	94.5	169.0
500	20	508.0	4.8	5.5	7.9	15.1	762.0	315.6	1524.0	1016.0	70.8	82.0	117.0	210.0

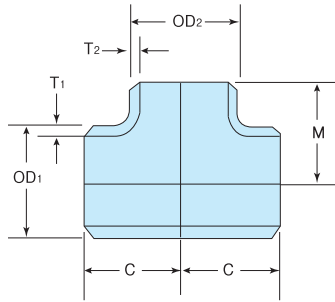
SHORT

Unit : mm

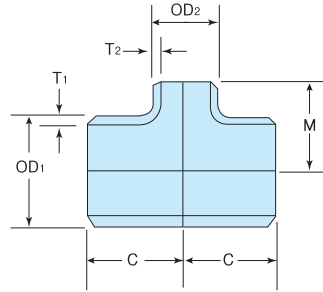
Nominal Size		OD	Wall Thickness				F	H	P	K	Approx Weight (kg)			
A	B		5S	10S	20S	40S					5S	10S	20S	40S
25	1	34.0	1.65	2.8	3.0	3.4	25.4	-	50.8	42.4	0.053	0.086	0.091	0.102
32	1 1/4	42.7	1.65	2.8	3.0	3.6	31.8	-	63.6	53.2	0.083	0.137	0.147	0.173
40	1 1/2	48.6	1.65	2.8	3.0	3.7	38.1	-	76.2	62.4	0.114	0.189	0.202	0.245
50	2	60.5	1.65	2.8	3.5	3.9	50.8	21.0	101.6	81.1	0.191	0.318	0.392	0.434
65	2 1/2	76.3	2.1	3.0	3.5	5.2	63.5	26.3	127.0	101.7	0.383	0.540	0.626	0.909
80	3	89.1	2.1	3.0	4.0	5.5	76.2	31.6	152.4	120.8	0.539	0.762	1.00	1.36
90	3 1/2	101.6	2.1	3.0	4.0	5.7	88.9	36.8	177.8	139.7	0.719	1.02	1.34	1.88
100	4	114.3	2.1	3.0	4.0	6.0	101.6	42.1	203.2	158.8	0.926	1.31	1.73	2.55
125	5	139.8	2.8	3.4	5.0	6.6	127.0	52.6	254.0	196.9	1.89	2.28	3.31	4.32
150	6	165.2	2.8	3.4	5.0	7.1	152.4	36.1	304.8	235.0	2.68	3.24	4.72	6.62
200	8	216.3	2.8	4.0	6.5	8.2	203.2	84.2	406.4	311.4	4.70	6.68	10.7	13.4
250	10	267.4	3.4	4.0	6.5	9.3	254.0	105.2	508.0	387.7	8.82	10.4	16.7	23.6
300	12	318.5	4.0	4.5	6.5	10.3	304.8	126.2	609.6	464.1	14.8	16.7	23.9	37.4
350	14	355.6	4.0	4.8	7.9	11.1	355.6	147.3	711.2	533.4	19.2	23.1	37.8	53.0
400	16	406.4	4.2	4.8	7.9	12.7	406.4	168.3	812.8	609.6	26.3	30.2	49.5	79.0
450	18	457.2	4.2	4.8	7.9	14.3	457.2	189.4	914.4	685.8	33.6	38.2	62.8	113.0
500	20	508.0	4.8	5.5	7.9	15.1	508.0	210.4	1016.0	762.0	47.2	54.7	77.7	147.0

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Tee)

KS
JIS



Straight



Reducing

TEE / Sch.10s / Sch.20s / Sch.40s

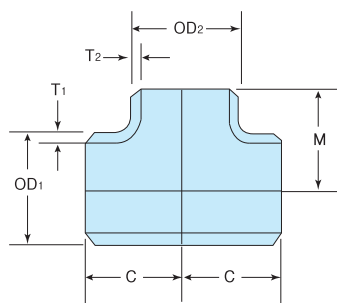
KS B 1543, JIS B 2313

Unit : mm

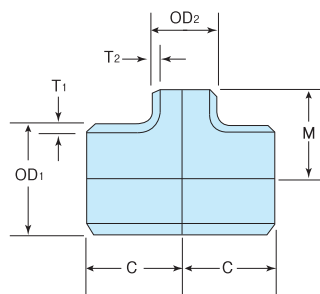
Nominal Pipe Size		Outside Diameter		Wall Thickness (T)						Center to End		Weight (Kg)		
				Sch.10S		Sch.20S		Sch.40S						
A	B	OD1	OD2	T1	T2	T1	T2	T1	T2	C	M	Sch.10S	Sch.20S	Sch.40S
15X15	1/2 X 1/2	21.7	21.7	2.1	2.1	2.5	2.5	2.8	2.8	25.4	25.4	0.07	0.08	0.09
20X20	3/4 X 3/4	27.2	27.2	2.1	2.1	2.5	2.5	2.9	2.9	28.6	28.6	0.09	0.11	0.13
20X15	1/2	27.2	21.7	2.1	2.1	2.5	2.5	2.9	2.8	28.6	28.6	0.07	0.09	0.10
25X25	1 X 1	34.0	34.0	2.8	2.8	3.0	3.0	3.4	3.4	38.1	38.1	0.21	0.22	0.25
25X20	3/4	34.0	27.2	2.8	2.1	3.0	2.5	3.4	2.9	38.1	38.1	0.16	0.16	0.17
25X15	1/2	34.0	21.7	2.8	2.1	3.0	2.5	3.4	2.8	38.1	38.1	0.16	0.16	0.16
32X32	1 1/4 X 1 1/4	42.7	42.7	2.8	2.8	3.0	3.0	3.6	3.6	47.6	47.6	0.34	0.36	0.42
32X25	1	42.7	34.0	2.8	2.8	3.0	3.0	3.6	3.4	47.6	47.6	0.32	0.34	0.40
32X20	3/4	42.7	27.2	2.8	2.1	3.0	2.5	3.6	2.9	47.6	47.6	0.28	0.31	0.33
32X15	1/2	42.7	21.7	2.8	2.1	3.0	2.5	3.6	2.8	47.6	47.6	0.29	0.31	0.37
40X40	1 1/2 X 1 1/2	48.6	48.6	2.8	2.8	3.0	3.0	3.7	3.7	57.2	57.2	0.47	0.50	0.60
40X32	1 1/4	48.6	42.7	2.8	2.8	3.0	3.0	3.7	3.6	57.2	57.2	0.45	0.48	0.58
40X25	1	48.6	34.0	2.8	2.8	3.0	3.0	3.7	3.4	57.2	57.2	0.43	0.46	0.55
40X20	3/4	48.6	27.2	2.8	2.1	3.0	2.5	3.7	2.9	57.2	57.2	0.37	0.43	0.47
40X15	1/2	48.6	21.7	2.8	2.1	3.0	2.5	3.7	2.8	57.2	57.2	0.40	0.43	0.51
50X50	2 X 2	60.5	60.5	2.8	2.8	3.5	3.5	3.9	3.9	63.5	63.5	0.64	0.79	0.87
50X40	1 1/2	60.5	48.6	2.8	2.8	3.5	3.0	3.9	3.7	63.5	60.3	0.60	0.73	0.81
50X32	1 1/4	60.5	42.7	2.8	2.8	3.5	3.0	3.9	3.6	63.5	57.2	0.58	0.70	0.79
50X25	1	60.5	34.0	2.8	2.8	3.5	3.0	3.9	3.4	63.5	50.8	0.55	0.67	0.74
50X20	3/4	60.5	27.2	2.8	2.1	3.5	2.5	3.9	2.9	63.5	44.5	0.45	0.59	0.68
65X65	2 1/2 X 2 1/2	76.3	76.3	3.0	3.0	3.5	3.5	5.2	5.2	76.2	76.2	1.03	1.20	1.74
65X50	2	76.3	60.5	3.0	2.8	3.5	3.5	5.2	3.9	76.2	69.9	0.95	1.11	1.56
65X40	1 1/2	76.3	48.6	3.0	2.8	3.5	3.0	5.2	3.7	76.2	66.7	0.92	1.05	1.51
65X32	1 1/4	76.3	42.7	3.0	2.8	3.5	3.0	5.2	3.6	76.2	63.5	0.90	1.03	1.48
65X25	1	76.3	34.0	3.0	2.8	3.5	3.0	5.2	3.4	76.2	57.2	0.87	1.00	1.44
80X80	3 X 3	89.1	89.1	3.0	3.0	4.0	4.0	5.5	5.5	85.7	85.7	1.35	1.78	2.41
80X65	2 1/2	89.1	76.3	3.0	3.0	4.0	3.5	5.5	5.2	85.7	82.6	1.30	1.68	2.29
80X50	2	89.1	60.5	3.0	2.8	4.0	3.5	5.5	3.9	85.7	76.2	1.22	1.59	2.12
80X40	1 1/2	89.1	48.6	3.0	2.8	4.0	3.0	5.5	3.7	85.7	73.0	1.18	1.53	2.06
80X32	1 1/4	89.1	42.7	3.0	2.8	4.0	3.0	5.5	3.6	85.7	69.9	1.16	1.51	2.03
100X100	4 X 4	114.3	114.3	3.0	3.0	4.0	4.0	6.0	6.0	104.8	104.8	2.12	2.80	4.12
100X80	3	114.3	89.1	3.0	3.0	4.0	4.0	6.0	5.5	104.8	98.4	1.99	2.68	3.83
100X65	2 1/2	114.3	76.3	3.0	3.0	4.0	3.5	6.0	5.2	104.8	95.3	1.93	2.52	3.71
100X50	2	114.3	60.5	3.0	2.8	4.0	3.5	6.0	3.9	104.8	88.9	1.85	2.44	3.53
100X40	1 1/2	114.3	48.6	3.0	2.8	4.0	3.0	6.0	3.7	104.8	85.7	1.82	2.38	3.47
125X125	5 X 5	139.8	139.8	3.4	3.4	5.0	5.0	6.6	6.6	123.8	123.8	3.45	5.01	6.54
125X100	4	139.8	114.3	3.4	3.0	5.0	4.0	6.6	6.0	123.8	117.5	3.22	4.63	6.13
125X80	3	139.8	89.1	3.4	3.0	5.0	4.0	6.6	5.5	123.8	111.1	3.09	4.49	5.83
125X65	2 1/2	139.8	76.3	3.4	3.0	5.0	3.5	6.6	5.2	123.8	108.0	3.04	4.35	5.71
125X50	2	139.8	60.5	3.4	2.8	5.0	3.5	6.6	3.9	123.8	104.8	2.97	4.29	5.56

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Tee)

DAE YOUNG BEND



Straight



Reducing

TEE / Sch.10s / Sch.20s / Sch.40s

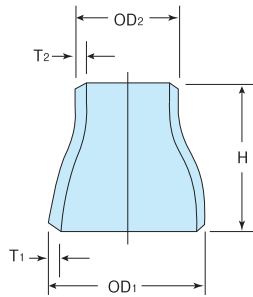
KS B 1543, JIS B 2313

Unit : mm

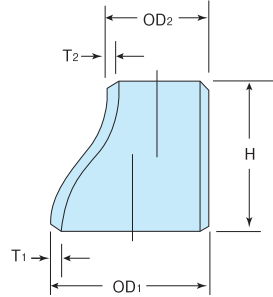
Nominal Pipe Size		Outside Diameter		Wall Thickness (T)						Center to End		Weight (Kg)		
				Sch.10S		Sch.20S		Sch.40S				Sch.10S	Sch.20S	Sch.40S
A	B	OD1	OD2	T1	T2	T1	T2	T1	T2	C	M			
150X150	6 X 6	165.2	165.2	3.4	3.4	5.0	5.0	7.1	7.1	142.9	142.9	4.70	6.84	9.58
150X125	5	165.2	139.8	3.4	3.4	5.0	5.0	7.1	6.6	142.9	136.5	4.49	6.54	9.08
150X100	4	165.2	114.3	3.4	3.0	5.0	4.0	7.1	6.0	142.9	130.2	4.27	6.16	8.67
150 X 80	3	165.2	89.1	3.4	3.0	5.0	4.0	7.1	5.5	142.9	123.8	4.14	5.99	8.38
150 X 65	2 1/2	165.2	76.3	3.4	3.0	5.0	3.5	7.1	5.2	142.9	120.7	4.08	5.88	8.25
200X200	8 X 8	216.3	216.3	4.0	4.0	6.5	6.5	8.2	8.2	177.8	177.8	8.91	14.3	17.9
200X150	6	216.3	165.2	4.0	3.4	6.5	5.0	8.2	7.1	177.8	168.3	8.26	13.1	16.6
200X125	5	216.3	139.8	4.0	3.4	6.5	5.0	8.2	6.6	177.8	161.9	8.06	12.9	16.1
200X100	4	216.3	114.3	4.0	3.0	6.5	4.0	8.2	6.0	177.8	155.6	7.84	12.5	15.7
250X250	10 X 10	267.4	267.4	4.0	4.0	6.5	6.5	9.3	9.3	215.9	215.9	13.4	21.5	30.4
250X200	8	267.4	216.3	4.0	4.0	6.5	6.0	9.3	8.2	215.9	203.2	12.7	20.4	28.5
250X150	6	267.4	165.2	4.0	3.4	6.5	5.0	9.3	7.1	215.9	193.7	12.0	19.2	27.2
250X125	5	267.4	139.8	4.0	3.4	6.5	5.0	9.3	6.6	215.9	190.5	11.9	19.0	26.8
250X100	4	267.4	114.3	4.0	3.0	6.5	4.0	9.3	6.0	215.9	184.2	11.6	18.6	26.4
300X300	12 X 12	318.5	318.5	4.5	4.5	6.5	6.5	10.3	10.3	254.0	254.0	21.0	30.1	47.2
300X250	10	318.5	267.4	4.5	4.0	6.5	6.5	10.3	9.3	254.0	241.3	19.8	28.8	44.6
300X200	8	318.5	216.3	4.5	4.0	6.5	6.5	10.3	8.2	254.0	228.6	19.2	27.7	42.7
300X150	6	318.5	165.2	4.5	3.4	6.5	5.0	10.3	7.1	254.0	219.1	17.4	25.8	39.3
300X125	5	318.5	139.8	4.5	3.4	6.5	5.0	10.3	6.6	254.0	215.9	18.3	26.3	41.0
350X350	14 X 14	355.6	355.6	4.8	4.8	7.9	7.9	11.1	11.1	279.4	279.4	27.3	44.8	62.4
350X300	12	355.6	318.5	4.8	4.5	7.9	6.5	11.1	10.3	279.4	269.9	25.8	43.2	59.8
350X250	10	355.6	267.4	4.8	4.0	7.9	6.5	11.1	9.3	279.4	257.2	24.7	41.0	57.3
350X200	8	355.6	216.3	4.8	4.0	7.9	6.5	11.1	8.2	279.4	247.7	23.7	39.7	42.0
350X150	6	355.6	165.2	4.8	3.4	7.9	5.0	11.1	7.1	279.4	238.1	22.6	38.0	54.5
400X400	16 X 16	406.4	406.4	4.8	4.8	7.9	7.9	12.7	12.7	304.8	304.8	33.7	55.2	88.0
400X350	14	406.4	355.6	4.8	4.8	7.9	7.9	12.7	11.1	304.8	304.8	31.5	53.5	86.0
400X300	12	406.4	318.5	4.8	4.5	7.9	6.5	12.7	10.3	304.8	295.3	30.2	51.2	82.4
400X250	10	406.4	267.4	4.8	4.0	7.9	6.5	12.7	9.3	304.8	282.6	28.9	49.0	79.0
400X200	8	406.4	216.3	4.8	4.0	7.9	6.5	12.7	8.2	304.8	273.1	27.7	46.9	75.9
450X450	18 X 18	457.2	457.2	4.8	4.8	7.9	7.9	14.3	14.3	342.9	342.9	42.7	70.0	125.0
450X400	16	457.2	406.4	4.8	4.8	7.9	7.9	14.3	12.7	342.9	330.2	40.1	67.5	120.1
450X350	14	457.2	355.6	4.8	4.8	7.9	7.9	14.3	11.1	342.9	330.2	38.4	64.7	115.0
450X300	12	457.2	318.5	4.8	4.5	7.9	6.5	14.3	10.3	342.9	320.7	36.8	62.0	114.0
450X250	10	457.2	267.4	4.8	4.0	7.9	6.5	14.3	9.3	342.9	308.0	35.3	59.4	112.0
500X500	20 X 20	508.0	508.0	5.5	5.5	7.9	7.9	15.1	15.1	381.0	381.0	61.0	86.6	163.0
500X450	18	508.0	457.2	5.5	4.8	7.9	7.9	15.1	14.3	381.0	368.3	57.5	84.0	159.2
500X400	16	508.0	406.4	5.5	4.8	7.9	7.9	15.1	12.7	381.0	355.6	55.0	80.5	152.6
500X350	14	508.0	355.6	5.5	4.8	7.9	7.9	15.1	11.1	381.0	355.6	52.7	77.1	149.0
500X300	12	508.0	318.5	5.5	4.8	7.9	6.5	15.1	10.3	381.0	346.1	50.6	73.9	147.0

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Reducer)

KS
JIS



Concentric



Eccentric

Reducer / Sch.10s / Sch.20s / Sch.40s

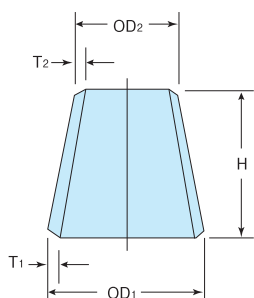
KS B 1543, JIS B 2313

Unit : mm

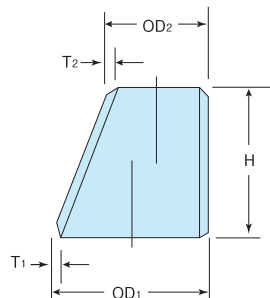
Nominal Pipe Size		Outside Diameter		Wall Thickness (T)						End to End	Weight (Kg)		
				Sch.10S		Sch.20S		Sch.40S			Sch.10S	Sch.20S	Sch.40S
A	B	OD ₁	OD ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	H			
20X15	3/4 X 1/2	27.2	21.7	2.1	2.1	2.5	2.5	2.9	2.8	38.1	0.04	0.05	0.06
25X20	1 X 3/4	34.0	27.2	2.8	2.1	3.0	2.5	3.4	2.9	50.8	0.10	0.10	0.12
25X15	1/2	34.0	21.7	2.8	2.1	3.0	2.5	3.4	2.8	50.8	0.09	0.09	0.11
32X25	1 1/4 X 1	42.7	34.0	2.8	2.8	3.0	3.0	3.6	3.4	50.8	0.13	0.13	0.16
32X20	3/4	42.7	27.2	2.8	2.1	3.0	2.5	3.6	2.9	50.8	0.11	0.12	0.14
32X15	1/2	42.7	21.7	2.8	2.1	3.0	2.5	3.6	2.8	50.8	-	-	-
40X32	1 1/2 X 1 1/4	48.6	42.7	2.8	2.8	3.0	3.0	3.7	3.6	63.5	0.19	0.20	0.24
40X25	1	48.6	34.0	2.8	2.8	3.0	3.0	3.7	3.4	63.5	0.17	0.18	0.22
40X20	3/4	48.6	27.2	2.8	2.1	3.0	2.5	3.7	2.9	63.5	0.16	0.17	0.20
40X15	1/2	48.6	21.7	2.8	2.1	3.0	2.5	3.7	2.9	63.5	-	-	-
50X40	2 X 1 1/2	60.5	48.6	2.8	2.8	3.5	3.0	3.9	3.7	76.2	0.27	0.34	0.37
50X32	1 1/4	60.5	42.7	2.8	2.8	3.5	3.0	3.9	3.6	76.2	0.26	0.32	0.35
50X25	1	60.5	34.0	2.8	2.8	3.5	3.0	3.9	3.4	76.2	0.24	0.29	0.32
50X20	3/4	60.5	27.2	2.8	2.1	3.5	2.5	3.9	2.9	76.2	0.21	0.25	0.29
65X50	2 1/2 X 2	76.3	60.5	3.0	2.8	3.5	3.5	5.2	3.9	88.9	0.43	0.50	0.72
65X40	1 1/2	76.3	48.6	3.0	2.8	3.5	3.0	5.2	3.7	88.9	0.40	0.46	0.66
65X32	1 1/4	76.3	42.7	3.0	2.8	3.5	3.0	5.2	3.6	88.9	0.38	0.42	0.61
65X25	1	76.3	34.0	3.0	2.8	3.5	3.0	5.2	3.4	88.9	-	-	-
80X65	3 X 2 1/2	89.1	76.3	3.0	3.0	4.0	3.5	5.5	5.2	88.9	0.53	0.69	0.93
80X50	2	89.1	60.5	3.0	2.8	4.0	3.5	5.5	3.9	88.9	0.48	0.63	0.85
80X40	1 1/2	89.1	48.6	3.0	2.8	4.0	3.0	5.5	3.7	88.9	0.44	0.58	0.78
80X32	1 1/4	89.1	42.7	3.0	2.8	4.0	3.0	5.5	3.6	88.9	-	-	-
100X80	4 X 3	114.3	89.1	3.0	3.0	4.0	4.0	6.0	5.5	101.6	0.75	0.99	1.45
100X65	2 1/2	114.3	76.3	3.0	3.0	4.0	3.5	6.0	5.2	101.6	0.71	0.93	1.37
100X50	2	114.3	60.5	3.0	2.8	4.0	3.5	6.0	3.9	101.6	0.66	0.86	1.27
100X40	1 1/2	114.3	48.6	3.0	2.8	4.0	3.0	6.0	3.7	101.6	0.60	0.79	1.12
125X100	5 X 4	139.8	114.3	3.4	3.0	5.0	4.0	6.6	6.0	127.0	1.32	1.92	2.50
125X80	3	139.8	89.1	3.4	3.0	5.0	4.0	6.6	5.5	127.0	1.20	1.74	2.27
125X65	2 1/2	139.8	76.3	3.4	3.0	5.0	3.5	6.6	5.2	127.0	1.15	1.66	2.16
125X50	2	139.8	60.5	3.4	2.8	5.0	3.0	6.6	3.9	127.0	-	-	-

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Reducer)

DAE YOUNG BEND



Concentric



Eccentric

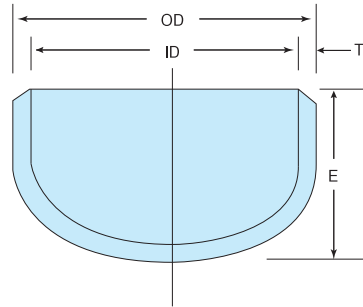
Reducer / Sch.10s / Sch.20s / Sch.40s

KS B 1543, JIS B 2313

Unit : mm

Nominal Pipe Size			Outside Diameter		Wall Thickness (T)						End to End	Weight (Kg)		
					Sch.10S		Sch.20S		Sch.40S			Sch.10S	Sch.20S	Sch.40S
A	B		OD ₁	OD ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	H			
150X125	6	X 5	165.2	139.8	3.4	3.4	5.0	5.0	7.1	6.6	139.7	1.75	2.55	3.57
150X100		4	165.2	114.3	3.4	3.0	5.0	4.0	7.1	6.0	139.7	1.62	2.36	3.30
150 X 80		3	165.2	89.1	3.4	3.0	5.0	4.0	7.1	5.5	139.7	1.50	2.18	3.04
150 X 65		2 1/2	165.2	76.3	3.4	3.0	5.0	3.5	7.1	5.2	139.7	-	-	-
200X150	8	X 6	216.3	165.2	4.0	3.4	6.5	5.0	8.2	7.1	152.4	2.85	4.57	5.71
200X125		5	216.3	139.8	4.0	3.4	6.5	5.0	8.2	6.6	152.4	2.70	4.33	5.40
200X100		4	216.3	114.3	4.0	3.0	6.5	4.0	8.2	6.0	152.4	2.56	4.10	5.10
250X200	10	X 8	267.4	216.3	4.0	4.0	6.5	6.5	9.3	8.2	177.8	4.21	6.22	8.78
250X150		6	267.4	165.2	4.0	3.4	6.5	5.0	9.3	7.1	177.8	3.87	6.22	8.78
250X125		5	267.4	139.8	4.0	3.4	6.5	5.0	9.3	6.6	177.8	3.30	5.70	8.21
250X100		4	267.4	114.3	4.0	3.0	6.5	4.0	9.3	6.0	177.8	-	-	-
300X250	12	X 10	318.5	267.4	4.5	4.0	6.5	6.5	10.3	9.3	203.2	6.55	9.40	14.7
300X200		8	318.5	216.3	4.5	4.0	6.5	6.5	10.3	8.2	203.2	6.11	8.77	13.7
300X150		6	318.5	165.2	4.5	3.4	6.5	5.0	10.3	7.1	203.2	5.73	7.81	12.4
300X125		5	318.5	139.8	4.5	3.4	6.5	5.0	10.3	6.6	203.2	-	-	-
350X300	14	X 12	355.6	318.5	4.8	4.5	7.9	6.5	11.1	10.3	330.2	13.2	21.5	29.9
350X250		10	355.6	267.4	4.8	4.0	7.9	6.5	11.1	9.3	330.2	12.1	19.8	27.5
350X200		8	355.6	216.3	4.8	4.0	7.9	6.5	11.1	8.2	330.2	11.2	18.2	25.3
350X150		6	355.6	165.2	4.8	3.4	7.9	5.0	11.1	7.1	330.2	10.3	16.7	23.2
400X350	16	X 14	406.4	355.6	4.8	4.8	7.9	7.9	12.7	11.1	355.6	16.1	26.2	41.6
400X300		12	406.4	318.5	4.8	4.5	7.9	6.5	12.7	10.3	355.6	14.8	24.1	38.3
400X250		10	406.4	267.4	4.8	4.0	7.9	6.5	12.7	9.3	355.6	13.6	22.2	35.2
400X200		8	406.4	216.3	4.8	4.0	7.9	6.5	12.7	8.2	355.6	12.5	20.4	32.4
450X400	18	X 16	457.2	406.4	4.8	4.8	7.9	7.9	14.3	12.7	381.0	19.5	31.9	56.9
450X350		14	457.2	355.6	4.8	4.8	7.9	7.9	14.3	11.1	381.0	17.9	29.3	52.3
450X300		12	457.2	318.5	4.8	4.5	7.9	6.5	14.3	10.3	381.0	16.5	27.0	51.0
450X250		10	457.2	267.4	4.8	4.0	7.9	6.5	14.3	9.3	381.0	15.2	24.8	48.3
500X450	20	X 18	508.0	457.2	5.5	4.8	7.9	7.9	15.1	14.3	508.0	33.3	47.6	88.4
500X400		16	508.0	406.4	5.5	4.8	7.9	7.9	15.1	12.7	508.0	30.6	43.8	83.9
500X350		14	508.0	355.3	5.5	4.8	7.9	7.9	15.1	11.1	508.0	28.2	40.3	79.6
500X300		12	508.0	318.5	5.5	4.5	7.9	6.5	15.1	10.3	508.0	25.9	37.0	66.3

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Cap)



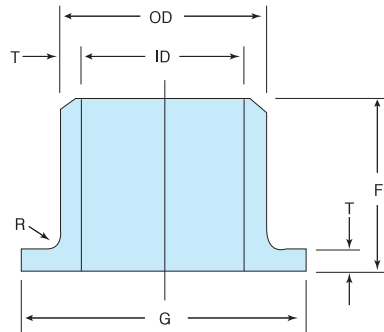
Cap / Sch.10s / Sch.20s / Sch.40s

Unit : mm

Nominal Pipe Size		Outside Diameter (OD)	Wall Thickness (T)			Back to Face	Weight (Kg)		
A	B		10S	20S	40S	E	10S	20S	40S
15	1/2	21.7	2.1	2.5	2.8	25.4	0.03	0.03	0.04
20	3/4	27.2	2.1	2.5	2.9	25.4	0.04	0.04	0.05
25	1	34.0	2.8	3.0	3.4	38.1	0.09	0.10	0.11
32	1 1/4	42.7	2.8	3.0	3.6	38.1	0.11	0.12	0.14
40	1 1/2	48.6	2.8	3.0	3.7	38.1	0.13	0.14	0.17
50	2	60.5	2.8	3.5	3.9	38.1	0.17	0.21	0.24
65	2 1/2	76.3	3.0	3.5	5.2	38.1	0.23	0.28	0.42
80	3	89.1	3.0	4.0	5.5	50.8	0.37	0.48	0.67
100	4	114.3	3.0	4.0	6.0	63.5	0.59	0.78	1.17
125	5	139.8	3.4	5.0	6.6	76.2	0.99	1.44	1.90
150	6	165.2	3.4	5.0	7.1	88.9	1.39	1.99	2.83
200	8	216.3	4.0	6.5	8.2	101.6	2.38	4.05	5.11
250	10	267.4	4.0	6.5	9.3	127.0	4.13	6.23	8.92
300	12	318.5	4.5	6.5	10.3	152.4	6.39	8.89	13.10
350	14	355.6	4.8	7.9	11.1	165.1	7.99	13.20	18.60
400	16	406.4	4.8	7.9	12.7	177.8	10.10	16.70	26.70
450	18	457.2	4.8	7.9	14.3	203.2	12.90	21.30	41.50
500	20	508.0	5.5	7.9	15.1	228.6	18.50	31.80	51.30

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Lap Joint Stub End)

DAE YOUNG BEND



Sch.10s / Sch.20s / Sch.40s

Unit : mm

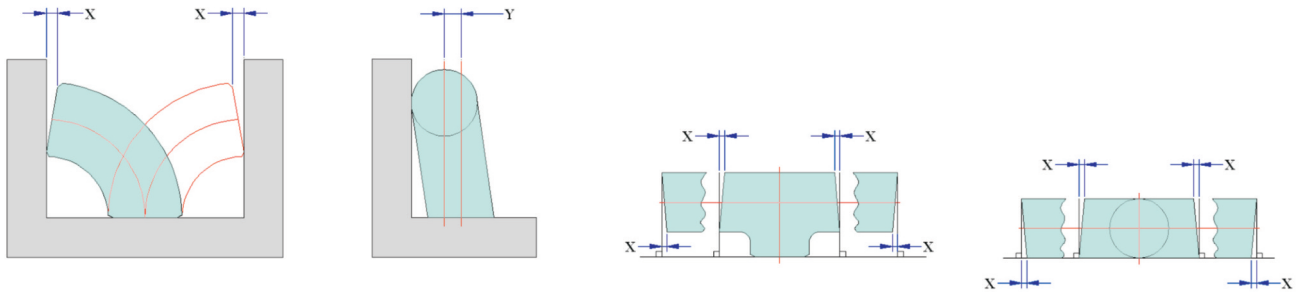
Nominal Pipe Size		Outside Diameter (OD)	Wall Thickness (T)			G		F	R	Weight (Kg)		
A	B		10S	20S	40S	5K	10K			10S	20S	40S
15	1/2	21.7	2.1	2.5	2.8	44	51	30	3	0.06	0.07	0.08
20	3/4	27.2	2.1	2.5	2.9	49	56	30	3	0.07	0.09	0.10
25	1	34.0	2.8	3.0	3.4	59	67	50	3	0.17	0.18	0.21
32	1 1/4	42.7	2.8	3.0	3.6	70	76	50	4	0.22	0.23	0.28
40	1 1/2	48.6	2.8	3.0	3.7	75	81	50	4	0.24	0.26	0.32
50	2	60.5	2.8	3.5	3.9	85	96	50	4	0.31	0.38	0.42
65	2 1/2	76.3	3.0	3.5	5.2	110	116	50	5	0.43	0.50	0.73
80	3	89.1	3.0	4.0	5.5	121	126	50	5	0.48	0.64	0.87
100	4	114.3	3.0	4.0	6.0	141	151	50	5	0.61	0.82	1.20
125	5	139.8	3.4	5.0	6.6	176	182	50	6	0.88	1.28	1.68
150	6	165.2	3.4	5.0	7.1	206	212	50	6	1.08	1.57	2.21
200	8	216.3	4.0	6.5	8.2	252	262	65	6	1.94	3.12	3.93
250	10	267.4	4.0	6.5	9.3	317	324	65	6	2.53	4.08	5.80
300	12	318.5	4.5	6.5	10.3	360	368	65	9	3.25	4.67	7.34
350	14	355.6	4.8	7.9	11.1	403	413	150	9	7.65	12.60	17.70
400	16	406.4	4.8	7.9	12.7	463	475	150	9	9.05	14.90	24.00
450	18	457.2	4.8	7.9	14.3	523	530	150	9	10.30	17.00	30.70
500	20	508.0	5.5	7.9	15.1	573	585	150	9	13.30	22.90	36.40
550	22	558.8	5.5	9.5	15.9	630	640	150	9	14.80	25.50	40.60
600	24	609.6	6.4	9.5	17.5	680	690	150	9	18.70	27.70	50.80

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Dimension)

Unit : mm

DIMENSION TOLERANCE		(KS B 1541/3 JIS B 2312/3)						
Item	Type of pipe Fitting	Nominal Pipe Size						
		15~65	80~100	125~200	250~450	500~600	650~750	800~1200
		Tolerance						
Outside Dia. at end Face (OD)	All Pipe Fittings	+1.6 -0.8	+1.6	+2.4 -1.6	+4.0 -3.2		+6.4 -4.8	
Inside Dia. At end Face (ID)		±0.8	±1.6		±3.2	±4.8		
Thickness (T)		+Not specified -12.5%						
Center to end dimension (F, H)		90° Elbow 45° Elbow	±1.6		±2.4		±3.2	±4.8
End to end dimension (H)	Reducer	±1.6		±2.4		±4.8		
Center to end dimension (C,M)	Tee	±1.6		±2.4		±3.2	±4.8	
Back to face dimension (E)	Cap	±3.2		±6.4				
Outside of end Peripheral length	All pipe fittings							±0.5%

RIGHT ANGLE FOR SHAFT-CENTER OF PIPE FITTINGS



Unit : mm

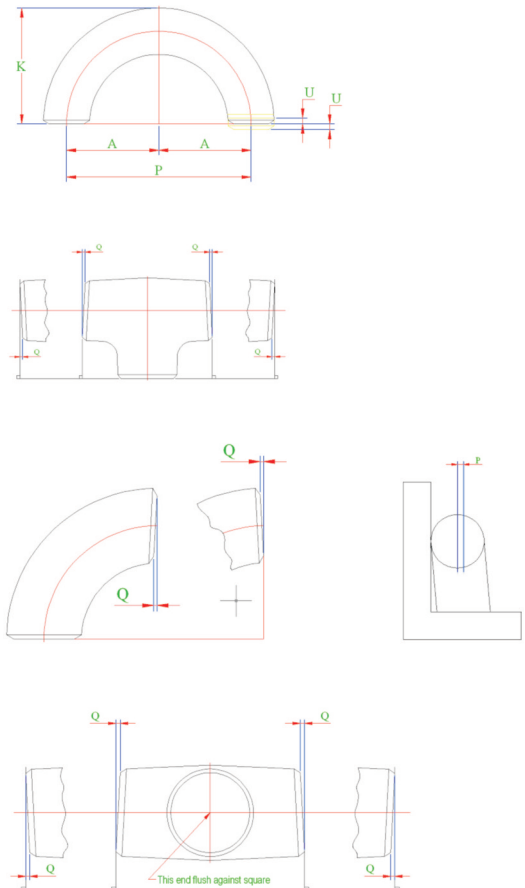
Item	Type of pipe fittings	Nominal Pipe Size							
		15~100	125~200	250~300	350~400	450~600	650~750	800~1050	1100~1200
		Tolerance							
Off Angle(X)	All pipe Fittings	0.8	1.6	2.4		3.2	4.8		
Off Plane(Y)		1.6	3.2	4.8	6.4	9.5		12.7	19.1

DIMENSIONAL TOLERANCES (ANSI B 16.9 & 16.28)

Wrought Steel Butt Welding Fittings

Unit : inch

All Fittings				90° and 45° Elbows	Tees	Reducers	Caps	180° Returns						
Nominal Pipe Size	Outside Diameter at Bevel (OD)	Inside Diameter at End (ID)	Wall Thickness (T)	Center-to-End Dimension (A, B)	Center-to-End Dimension (C, M)	End to End (H)	Back to Face (E)	Center-to-Center Dimension (P)	Back-to-Face Dimension (K)	Alignments of Ends (U)				
1/2-2 1/2	+0.06 -0.03	±0.03	Not less than 87 1/2 % of Nominal Thickness	±0.06	±0.06	±0.06	±0.12	±0.25	±0.25	±0.03				
3-4	±0.06	±0.06												
5-8	+0.09 -0.06	±0.06					±0.25	±0.38	±0.06					
10-18	+0.16 -0.12	±0.12												
20-24	+0.25 -0.19	±0.19					±0.09	±0.09	±0.09		±0.25	±0.38	±0.06	
26-30							±0.12	±0.12	±0.19		±0.38	-	-	-
32-48							±0.19	±0.19						



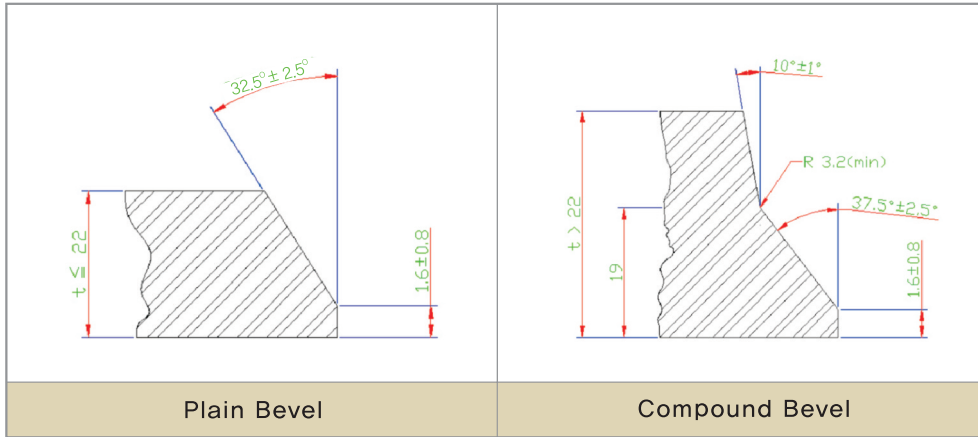
Unit : inch

Nominal Pipe Size	Angularly Tolerance	
	Off Angle (Q)	Off Plane (P)
1/2-4	0.03	0.06
5-8	0.06	0.12
10-12	0.09	0.19
14-16		0.25
18-24	0.12	0.38
26-30	0.19	
32-42		0.5
44-48		0.75

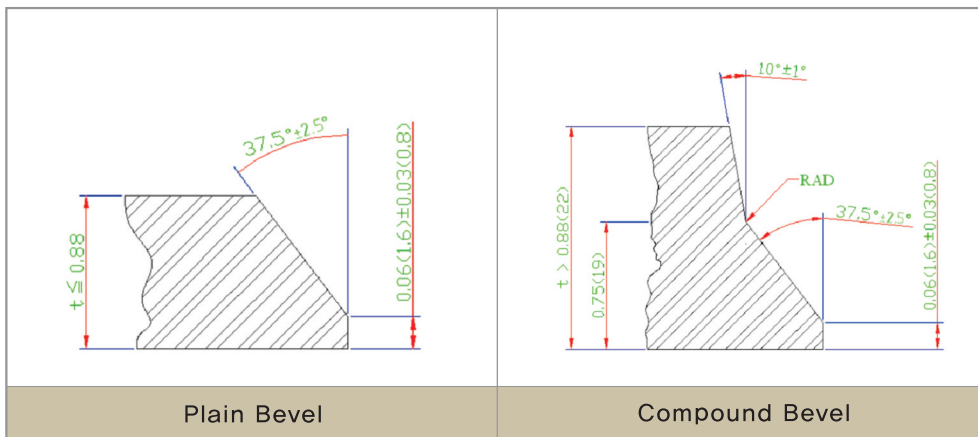
• Dimensions are in inches.

WELDING END PREPERATIONS (KS/JIS, ANSI)

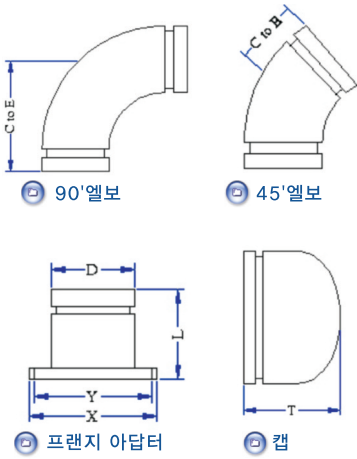
KS / JIS Unit : mm



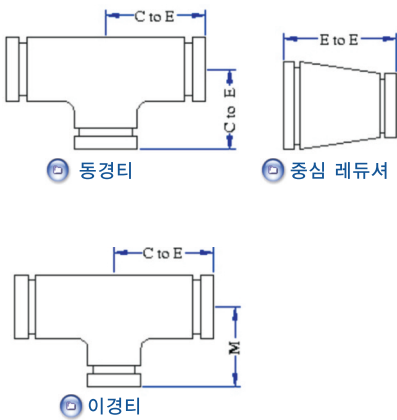
ANSI Unit : inch(mm)



STAINLESS GROOVED FITTINGS (STS 304)



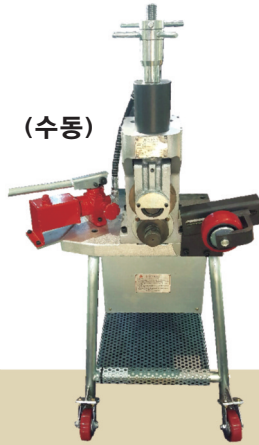
규격	O.D mm	엘보(90)		엘보(45)		플랜지아답터		캡
		C to E (mm)	Kg	C to E (mm)	Kg	L(mm)	Kg	T(mm)
50	60.5	91.2	0.6	61.5	0.5	80.0	1.9	50.8
65	76.3	110.3	0.8	69.5	0.7	85.0	3.1	50.8
80	89.1	129.3	1.1	77.3	1.0	85.0	3.6	50.8
100	114.3	152.4	2.0	63.1	1.3	90.0	5.8	63.5
125	139.8	190.5	3.5	78.9	2.3	95.0	6.5	76.2
150	165.2	228.6	4.9	94.7	3.3	100.0	9.3	88.9
200	216.3	304.8	9.5	126.3	6.3	115.0	15.0	101.6
250	267.4	381.0	25.0	157.8	11.1	120.0	22.0	127.0
300	318.5	457.2	35.7	189.4	17.2	120.0	32.0	152.4
350	355.6	533.4	56.9	221.0	23.1	190.0	-	-
400	406.4	610.0	74.5	253.0	30.2	220.0	-	-
450	457.2	686.0	94.5	284.0	38.3	225.0	-	-
500	508.0	762.0	117.0	316.0	54.7	260.0	-	-
550	558.8	838.0	170.0	347.0	66.3	280.0	-	-
600	609.6	914.0	202.0	379.0	90.4	285.0	-	-



규격	동경티		규격	이경티			중심 레듀서	
	C to E (mm)	Kg		C to E(mm)	M(mm)	Kg	E to E(mm)	Kg
50	78.5	0.6	65x50	76.2	76.2	1.0	110	0.7
			80x50	85.7	85.7	1.1	110	0.6
65	76.2	1.0	80x65	85.7	85.7	1.2	110	0.6
			100x50	104.8	103.0	1.8	125	0.6
80	85.7	1.3	100x65		104.8	1.9	125	0.9
			100x80	104.8	2.0	125	0.8	
			125x65	123.8	2.9	150	0.7	
100	104.8	2.1	125x80	123.8	123.8	3.1	150	0.7
			125x100		123.8	3.2	150	1.3
			150x80		142.9	136.5	4.2	170
150x100	136.5	4.4	170	2.7				
150x125	136.5	4.5	170	2.5				
150	142.9	4.7	200x100	177.8	177.8	7.8	190	4.7
			200x125		177.8	8.0	190	4.5
			200x150		177.8	8.2	190	4.3
200	177.8	8.4	250x125	215.9	215.9	13.5	220	7.7
			250x150		215.9	13.8	220	7.2
			250x200		215.9	14.0	220	6.9
300	254.0	21.6	300x150	254.0	235.0	20.5	260	12.0
			300x200		254.0	20.7	260	10.3
			300x250		254.0	21.0	260	9.7
350	279.4	27.3	350x250	279.4	270.0	26.6	330.2	20.2
			350x300		270.0	27.0	330.2	21.9
			400x300		304.8	305.0	32.6	355.6
400x350	305.0	33.0	355.6	26.6				
450x350	342.9	330.0	41.6	381		30.5		
450x400		330.0	42.0	381	32.4			
500	381.0	61.0	500x400	381.0	370.0	60.0	508	55.5
			500x450		370.0	60.5	508	40.0
			550x450		419.1	410.0	70.0	508
550x500	410.0	73.5	508	53.1				
600x500	431.8	431.8	92.2	508		55.7		
600x550		431.8	93.0	508	52.8			

PIPE GROOVING MACHINES (파이프 홈 가공기)

(수동)



(자동)



특허등록제품
등록번호 : 10-1838007

DSC-002, DSC-004
DSC-005, DSC-006

이동형 파이프 홈 가공기로서 이동 및 설치가 용이하여 현장에서 쉽게 사용할 수 있는 기계입니다. 또한 기동형 감속 모터를 탑재하여 소음이 적고 내구성이 뛰어나며 간단한 조작으로 작동이 가능하여 초보자도 쉽게 사용을 할 수 있습니다.

Specification(DSC-002, 004, 005, 006)

구분	수동		자동	
MODEL NO.	DSC-002	DSC-004	DSC-005	DSC-006
Capacity	25A~300A			
Tool motor	2HP	1HP	1HP	2HP
Electricity	220V 60Hz 단상			
Weight	143Kg	110Kg	115Kg	145Kg
Remark	기본사양 : 50~300A, 기타 : 옵션	기본사양 : 50~150A, 기타 : 옵션	기본사양 : 50~150A, 기타 : 옵션	기본사양 : 50~300A, 기타 : 옵션

DSC-003

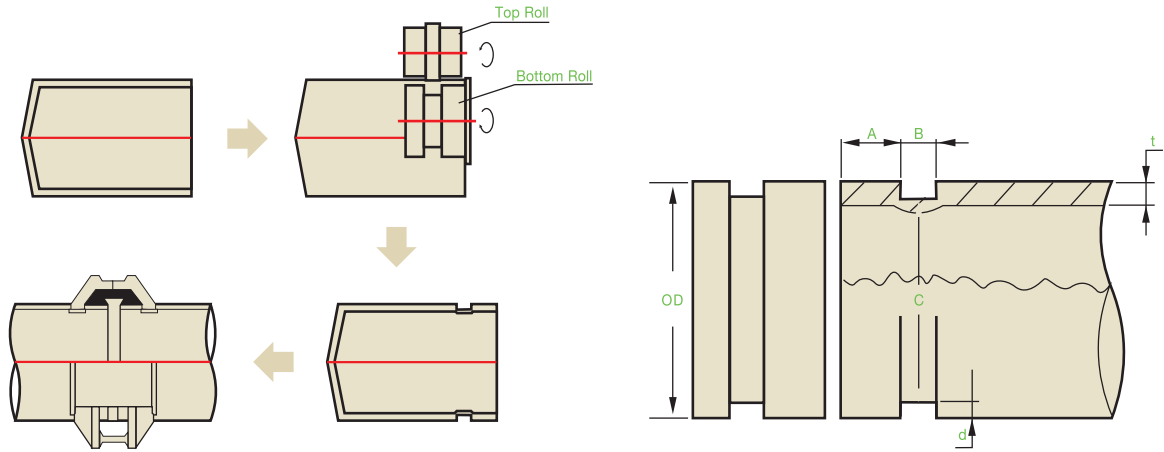


- DSC-003 모델은 유압 시스템, 전기제어 장치, 상단 하단 롤로 구성 되어 있습니다.
- DSC-003 모델은 전기와 유압 장치의 제어 로 인한 자동 가공 시스템이 가능하고 대형 사이즈 PIPE의 홈 가공 전형기입니다.

Specification

- Capacity : PIPE 200A ~ 600A (8' ~ 24')
- Electricity : 380V 60Hz
- System : HYD 150 kg / cm²
- Tool rpm : 23 rpm
- Main press : 10 Ton
- Main stroke : 100mm
- Oil tank capacity : 60 L
- Tool motor : 5Hp 4p 1/60 rpm 28.5
- Hydraulic motor : 5Hp 6p
- Speed : 1/8 min./dia. Inch

GROOVING CHART



Pipe size	파이프 직경 mm(ks)	A ±0.76mm	B ±0.76mm	홈가공직경(C)mm		홈 깊이 (d)mm	Minimum Pipe Thickness (t)mm	허용외경 mm
				기준	허용오차			
25A(1')	34.0	15.88	7.14	31	-0.38	1.60	1.65	36.3
32A(1 1/4')	42.7	15.88	7.14	39	-0.38	1.60	1.65	45.0
40A(1 1/2')	48.6	15.88	7.14	45.5	-0.38	1.60	1.65	51.1
50A(2')	60.5	15.88	8.74	57.15	-0.38	1.60	1.65	63.0
65A(2 1/2')	76.3	15.88	8.74	72.26	-0.46	1.98	2.11	78.7
80A(3')	89.1	15.88	8.74	84.94	-0.46	1.98	2.11	91.4
100(4')	114.3	15.88	8.74	110.08	-0.51	2.11	2.11	116.8
125A(5')	139.8	15.88	8.74	135.48	-0.51	2.11	2.77	142.2
150A(6')	165.2	15.88	8.74	160.78	-0.56	2.16	2.77	167.6
200A(8')	216.3	19.05	11.91	211.6	-0.64	2.34	2.77	220.7
250A(10')	267.4	19.05	11.91	262.6	-0.69	2.39	3.40	271.8
300A(12')	318.5	19.05	11.91	312.9	-0.76	2.77	3.96	322.8
350A(14')	355.6	23.83	11.91	350.04	-0.76	2.77	3.96	358.1
400A(16')	406.4	23.83	11.91	400.84	-0.76	2.77	4.19	408.9
450A(18')	457.2	25.4	11.91	451.64	-0.76	2.77	4.19	461.26
500A(20')	508.0	25.4	11.91	502.44	-0.76	2.77	4.78	512.06
550A(22')	558.8	25.4	12.70	550.06	-0.76	4.37	4.78	563.9
600A(24')	609.6	25.4	12.70	600.86	-0.76	4.37	5.54	614.68
650A(26')	660.4	44.5	15.9	647.7	-1.6	6.4	6.4	665.5
700A(28')	711.2	44.5	15.9	698.5	-1.6	6.4	6.4	716.3
750A(30')	762.0	44.5	15.9	749.3	-1.6	6.4	6.4	767.1
800A(32')	812.8	44.5	15.9	800.1	-1.6	6.4	6.4	817.9
850A(34')	863.6	44.5	15.9	850.9	-1.6	6.4	6.4	868.7
900A(36')	914.4	44.5	15.9	901.7	-1.6	6.4	6.4	919.5