

DAE YOUNG BEND

스테인레스 피팅의 대표주자

Elbow / Tee / Reducer / Cap



GROOVE FITTINGS



GROOVE JOINT



PIPE GROOVING
MACHINES



AUTOMATIC PIPE
GROOVING MACHINES

DAE YOUNG BEND

스테인레스 피팅의 대표주자

브랜드의 가치와 고객의 마음을 아는 기업 (주)대영벤드는
창립부터 현재까지 지속적인 성장세를 이어오고 있으며, 국내외 유수의 플랜트 건설,
연구단지, 화학단지, 신도시 건설사업 등에 당사의 우수한 제품과 기계를 공급하며
전 세계를 무대로 종합 배관자재 기업으로 발전하고 있습니다.

(주)대영벤드는 “고객 만족과 품질로 승부하자”라는 말을
가슴속에 새기고 우수한 제품을 공급하기 위해 최선을 다하고 있습니다.

당사는 스테인레스 관이음쇠와 그루브 관이음쇠를 생산하고, 파이프 흡가공기와 기타 특수기계들을
전문 제작하는 제조사로서 꾸준한 기술 개발과, 혁신적인 자동화 시스템을 통해
업계 최고의 품질과 합리적인 가격 그리고 철저한 사후관리와
신속한 물류 시스템으로, 고객분들께 최고의 만족을 드리는
신뢰받는 기업으로 성장하겠습니다.

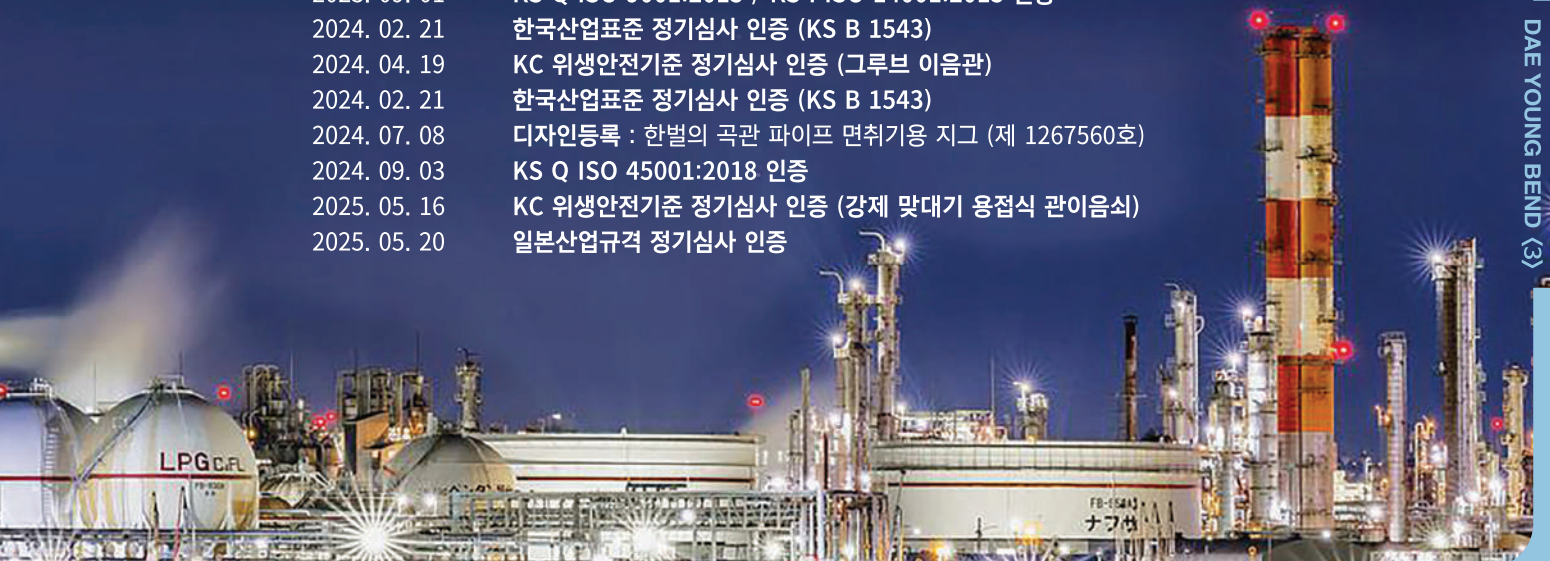
(주)대영벤드는 항상 고객의 소리에 귀를 기울이며 주의 깊게 살펴볼 것입니다.
지금까지 저희를 응원해 주셨듯이 앞으로도 많은 관심과 격려를 부탁드립니다.

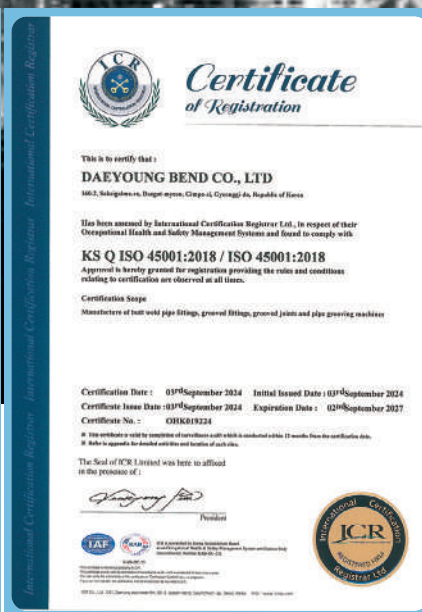
(주)대영벤드 임직원 일동



연혁 / History

1997. 06. 01.	대영 엔지니어링 설립 (기계제작)
1999. 10. 25.	공장이전 (인천시 서구, 당하동)
2000. 12. 26.	특허출원 : PIPE 연결용 홈가공기 (제 0215748호)
2001. 06. 20.	특허출원 : 홈가공기에 있어서의 성형롤러 이동거리제어장치 (제 0236533호)
2003. 08. 01.	배관용 강판제 맞대기 용접식 관 이음식 생산개시
2005. 03. 15.	특허출원 : PIPE 절단장치 (제 379788호)
2006. 02.	공장신축 이전 (경기도 김포시 양촌면 981-9)
2007. 04. 25.	KS Q ISO 9001:2007/ISO 9001:2000 획득
2007. 11. 14.	한국산업표시규격 인증 (KS B 1543)
2008. 05. 16.	상호변경 (대영엔지니어링 -> 대영벤드)
2009. 05. 11.	경영혁신형 중소기업 인증
2010. 08. 09.	공장 신축이전 (경기도 김포시 대곶면 삭시갈마로 160-2)
2010. 10. 15.	기술혁신형 중소기업등록 (INNO-BIZ)
2011. 04. 06.	한국산업표시규격 추가품목 인증
2011. 12. 26.	KC 위생안전기준 인증 (배관용 강판제 맞대기 용접식 관이음식)
2012. 08. 06.	일반배관용 스테인리스 강제 맞대기 용접식 관이음식 생산개시
2012. 08. 14.	벤처기업등록
2012. 10. 31.	한국 산업표준 종류등급 추가 인증 (KS B 1543)
2013. 06. 25.	일본산업규격 인증 (JIS B 2309, JIS B 2313)
2013. 11. 22.	기업부설연구소 설립
2014. 07. 16.	특허출원 : 파이프 연결구 (제 1422333호)
2014. 12. 31.	경기도 김포시 중소기업 대상 수상
2015. 06. 24.	디자인등록 : 파이프 커플링 (제 803392호)
2015. 11. 05.	특허등록 : 클램프형 무용접 파이프 이음장치 (제 1568325호)
2015. 12. 15.	특허등록 : 이중관 파이프 체결구 (제 1579403호)
2016. 11. 01.	특허등록 : 힌지를 이용한 파이프를 체결하는 체결구 및 어셈블리 (제 1673243호)
2018. 03. 07.	특허등록 : 펌프압력 유지를 통한 홈 가공기 및 이의 작동방법 (제 1838007호)
2019. 01. 02.	특허등록 : 곡관 성형장치 (제 1936269호)
2019. 03. 12.	특허등록 : 면진장치의 설치를 위한 이중마루용 바닥지지체 (제 1960276호)
2020. 01. 10.	KC 위생안전기준 인증 획득(그루브 이음관)
2020. 07. 22.	한국산업표준 종류등급 추가 인증 (KS B 1543)
2021. 01. 27.	한국산업표준 정기심사 인증 (KS B 1543)
2021. 03. 19.	KC 위생안전기준 인증 (강제 맞대기 용접식 관이음식)
2022. 05. 20.	KC 위생안전기준 정기심사 인증 (그루브 이음관)
2022. 06. 20.	일본산업규격 정기심사 인증
2023. 06. 23.	KC 위생안전기준 정기심사 인증 (강제 맞대기 용접식 관이음식)
2023. 08. 29.	특허등록 : 곡관 파이프 면취장치 (제 2573828호)
2023. 09. 01.	KS Q ISO 9001:2015 / KS I ISO 14001:2015 인증
2024. 02. 21.	한국산업표준 정기심사 인증 (KS B 1543)
2024. 04. 19.	KC 위생안전기준 정기심사 인증 (그루브 이음관)
2024. 02. 21.	한국산업표준 정기심사 인증 (KS B 1543)
2024. 07. 08.	디자인등록 : 한벌의 곡관 파이프 면취기용 지그 (제 1267560호)
2024. 09. 03.	KS Q ISO 45001:2018 인증
2025. 05. 16.	KC 위생안전기준 정기심사 인증 (강제 맞대기 용접식 관이음식)
2025. 05. 20.	일본산업규격 정기심사 인증



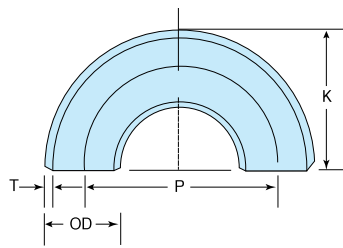


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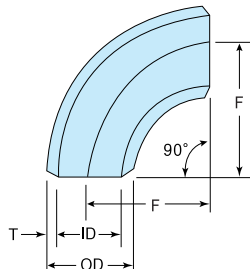
- 5 (KS/JIS) 90° ELBOW(LONG, SHORT), 45° ELBOW(LONG, SHORT),
180° ELBOW(LONG, SHORT)
- 6 (KS/JIS) TEE(STRAIGHT, REDUCING)
- 8 (KS/JIS) REDUCER(CONCENTRIC, ECCENTRIC)
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STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Elbow)

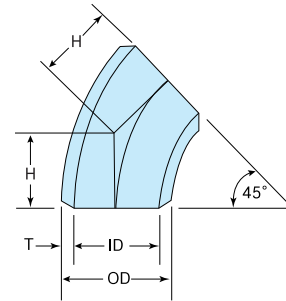
Sch 5S, 10S, 20S, 40S



180° Elbow
(Long, Short)



90° Elbow
(Long, Short)



45° Elbow
(Long, Short)

KS
JIS

LONG KS B 1543, JIS B 2313

Unit : mm

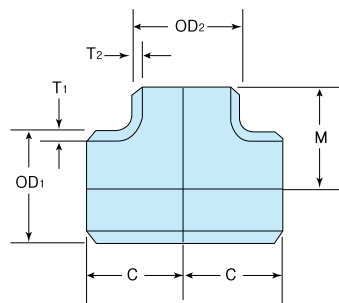
Nominal Size		OD	Wall Thickness				F	H	P	K	Approx Weight (kg)			
A	B		5S	10S	20S	40S					5S	10S	20S	40S
15	1/2	21.7	1.65	2.1	2.5	2.8	38.1	15.8	76.2	49.0	0.049	0.061	0.071	0.078
20	3/4	27.2	1.65	2.1	2.5	2.9	38.1	15.8	76.2	51.7	0.062	0.078	0.091	0.104
25	1	34.0	1.65	2.8	3.0	3.4	38.1	15.8	76.2	55.1	0.079	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	133.4	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
550	22	558.8	4.8	5.5	9.5	15.9	838.2	347.2	1676.4	1117.6	85.9	99.5	170.0	267.0
600	24	609.6	5.5	6.4	9.5	17.5	914.4	378.7	1828.8	1219.2	118.0	136.0	202.0	366.0

SHORT

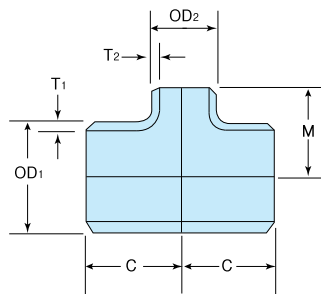
Unit : mm

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	15.8	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	63.1	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
550	22	558.8	4.8	5.5	9.5	15.9	558.8	231.5	1117.6	838.2	57.3	66.3	114.0	178.0
600	24	609.6	5.5	6.4	9.5	17.5	609.6	252.5	1219.2	914.4	79.0	90.4	135.0	244.0

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Tee)

KS
JIS

Straight



Reducing

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

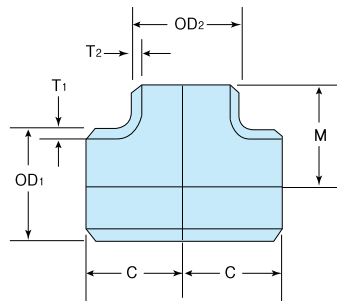
KS B 1543, JIS B 2313

Unit : mm

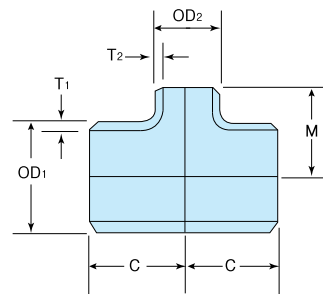
Nominal PipeSize		Outside Diameter		Wall Thickness (T)						End to End		Weight (kg)		
				Sch.10S		Sch.20S		Sch.40S						
A	B	OD ₁	OD ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	C	M	Sch.10S	Sch.20S	Sch.40S
15×15	1/2 × 1/2	21.7	21.7	2.1	2.1	2.5	2.5	2.8	2.8	25.4	25.4	0.07	0.08	0.09
20×20	3/4 × 3/4	27.2	27.2	2.1	2.1	2.5	2.5	2.9	2.9	28.6	28.6	0.09	0.11	0.13
20×15	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
25×25	1 × 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
25×20	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
25×15	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
32×32	1 1/4 × 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
32×25	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
32×20	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
32×15	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
40×40	1 1/2 × 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
40×32	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
40×25	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
40×20	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
40×15	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
50×50	2 × 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
50×40	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
50×32	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
50×25	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
50×20	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
65×65	2 1/2 × 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
65×50	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
65×40	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
65×32	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
65×25	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
80×80	3 × 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
80×65	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
80×50	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
80×40	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
80×32	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
100×100	4 × 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
100× 80	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
100× 65	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
100× 50	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
100× 40	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
125×125	5 × 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
125×100	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
125× 80	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
125× 65	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
125× 50	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
150×150	6 × 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
150×125	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
150×100	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× 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

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Tee)

DAE YOUNG BEND



Straight



Reducing

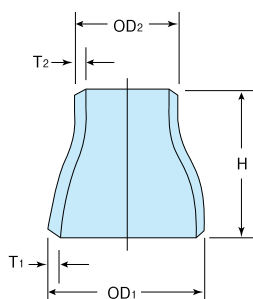
TEE / Sch.10s / Sch.20s / Sch.40s

KS B 1543, JIS B 2313

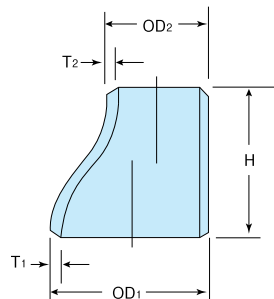
Unit : mm

Nominal PipeSize				Outside Diameter		Wall Thickness (T)						End to End		Weight (kg)		
						Sch.10S		Sch.20S		Sch.40S						
A	B			OD ₁	OD ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	C	M	Sch.10S	Sch.20S	Sch.40S
150× 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
200×200	8	×	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
200×150	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
200×125	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
200×100	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
250×250	10	×	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
250×200	8			267.4	216.3	4.0	4.0	6.5	6.5	9.3	8.2	215.9	203.2	12.7	20.4	28.5
250×150	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
250×125	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
250×100	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
300×300	12	×	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
300×250	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
300×200	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
300×150	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
300×125	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
350×350	14	×	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
350×300	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
350×250	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
350×200	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
350×150	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
400×400	16	×	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
400×350	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
400×300	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
400×250	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
400×200	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
450×450	18	×	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
450×400	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
450×350	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
450×300	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
450×250	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
500×500	20	×	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
500×450	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
500×400	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
500×350	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
500×300	12			508.0	318.5	5.5	4.5	7.9	6.5	15.1	10.3	381.0	346.1	50.6	73.9	147.0
550×550	22	×	22	558.8	558.8	5.5	5.5	9.5	9.5	15.9	15.9	419.1	419.1	74.1	126.2	198.0
550×500	22	×	20	558.8	508.0	5.5	5.5	9.5	7.9	15.9	15.1	419.1	406.4	71.8	124.0	195.0
550×450	22	×	18	558.8	457.2	5.5	4.8	9.5	7.9	15.9	14.3	419.1	393.7	68.8	118.8	187.6
550×400	22	×	16	558.8	406.4	5.5	4.8	9.5	7.9	15.9	12.7	419.1	381.0	65.9	113.8	179.8
600×600	24	×	24	609.6	609.6	6.4	6.4	9.5	9.5	17.5	17.5	431.8	431.8	93.9	139.4	252.0
600×550	24	×	22	609.6	558.8	6.4	5.5	9.5	9.5	17.5	15.9	431.8	431.8	90.7	136.4	248.8
600×500	24	×	20	609.6	508.0	6.4	5.5	9.5	7.9	17.5	15.1	431.8	431.8	86.9	130.6	241.3
600×450	24	×	18	609.6	457.2	6.4	4.8	9.5	7.9	17.5	14.3	431.8	419.1	83.2	125.2	241.8

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Reducer)

KS
JIS

Concentric



Eccentric

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

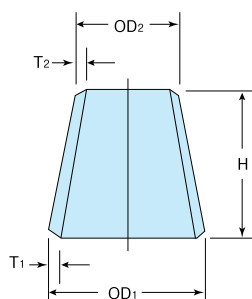
KS B 1543, JIS B 2313

Unit : mm

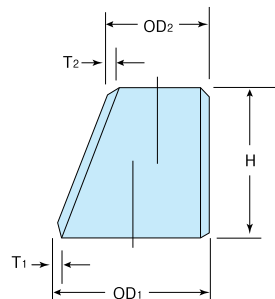
Nominal PipeSize		Outside Diameter		Wall Thickness (T)						End to End	Weight (kg)		
				Sch.10S		Sch.20S		Sch.40S					
A	B	OD ₁	OD ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	H	Sch.10S	Sch.20S	Sch.40S
20×15	3/4 × 1/2	27.2	21.7	2.1	2.1	2.5	2.5	2.9	2.8	38.1	0.04	0.05	0.06
25×20	1 × 3/4	34.0	27.2	2.8	2.1	3.0	2.5	3.4	2.9	50.8	0.10	0.10	0.12
25×15	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
32×25	1 1/4 × 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
32×20	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
32×15	1/2	42.7	21.7	2.8	2.1	3.0	2.5	3.6	2.8	50.8	—	—	—
40×32	1 1/2 × 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
40×25	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
40×20	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
40×15	1/2	48.6	21.7	2.8	2.1	3.0	2.5	3.7	2.8	63.5	—	—	—
50×40	2 × 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
50×32	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
50×25	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
50×20	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
65×50	2 1/2 × 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
65×40	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
65×32	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
65×25	1	76.3	34.0	3.0	2.8	3.5	3.0	5.2	3.4	88.9	—	—	—
80×65	3 × 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
80×50	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
80×40	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
80×32	1 1/4	89.1	42.7	3.0	2.8	4.0	3.0	5.5	3.6	88.9	—	—	—
100× 80	4 × 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
100× 65	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
100× 50	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
100× 40	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
125×100	5 × 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
125× 80	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
125× 65	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
125× 50	2	139.8	60.5	3.4	2.8	5.0	3.5	6.6	3.9	127.0	—	—	—
150×125	6 × 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
150×100	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× 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× 65	2 1/2	165.2	76.3	3.4	3.0	5.0	3.5	7.1	5.2	139.7	—	—	—

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Reducer)

DAE YOUNG BEND



Concentric



Eccentric

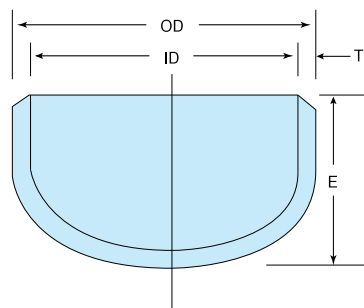
Reducer / Sch.10s / Sch.20s / Sch.40s

KS B 1543, JIS B 2313

Unit : mm

Nominal PipeSize			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			
200×150	8	× 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
200×125	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
200×100	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
250×200	10	× 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
250×150	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
250×125	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
250×100	4		267.4	114.3	4.0	3.0	6.5	4.0	9.3	6.0	177.8	—	—	—
300×250	12	× 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
300×200	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
300×150	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
300×125	5		318.5	139.8	4.5	3.4	6.5	5.0	10.3	6.6	203.2	—	—	—
350×300	14	× 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
350×250	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
350×200	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
350×150	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
400×350	16	× 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
400×300	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
400×250	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
400×200	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
450×400	18	× 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
450×350	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
450×300	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
450×250	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
500×450	20	× 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
500×400	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
500×350	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
500×300	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
550×500	22	× 20	558.8	508.0	5.5	5.5	9.5	7.9	15.9	15.1	508.0	36.9	63.2	99.4
550×450	22	× 18	558.8	457.2	5.5	4.8	9.5	7.9	15.9	14.3	508.0	33.9	58.2	91.4
550×400	22	× 16	558.8	406.4	5.5	4.8	9.5	7.9	15.9	12.7	508.0	31.2	53.5	84.1
600×550	24	× 22	609.6	558.8	6.4	5.5	9.5	9.5	17.5	15.9	508.0	47.0	69.3	125.3
600×500	24	× 20	609.6	508.0	6.4	5.5	9.5	7.9	17.5	15.1	508.0	43.2	63.7	119.0
600×450	24	× 18	609.6	457.2	6.4	4.8	9.5	7.9	17.5	14.3	508.0	39.8	58.6	114.0
600×400	24	× 16	609.6	406.4	6.4	4.8	9.5	7.9	17.5	12.7	508.0	36.5	56.7	98.4

STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Cap)



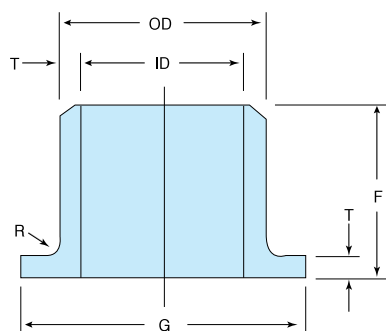
Cap / Sch.10s / Sch.20s / Sch.40s

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

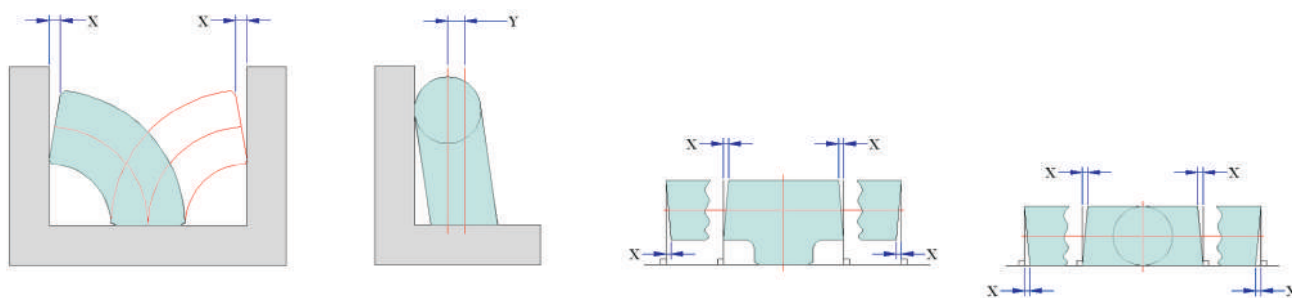
STAINLESS STEEL BUTT-WELDING PIPE FITTINGS (Dimension)

2 DIMENSION TOLERANCE (KS B 1543)

Unit : mm

Item	Type of Pipe Fitting	Nominal Pipe Size							
		A	15~65	80~100	125~200	250~450	500~600	650~750	800~1000
		B	1/2~2 1/2	3~4	5~8	10~18	20~24	26~30	32~48
		Tolerance							
Outside Dia. at end Face (OD)	All Pipe Fitting	±2.0	±2.5	±3.5	+5.0 -4.5	+6.4 -4.8			
Inside Dia. at end Face (ID)		±2.0	±2.5	±3.5	±4.5				
Thickness (T)		+Not Specified -15%							
Center to end dimension (F, H)	90° Elbow 45° Elbow	±2.0		±3.2				±4.8	
End to end dimension (H)	Reducer	±2.0		±3.2					
Center to end dimension (C, M)	Tee	±2.0		±3.2				±4.8	
Back to face dimension (E)	Cap	±3.2		±6.4			-		
Outside of end Peripheral length	All Pipe Fitting	-					±0.5		

3 RIGHT ANGLE FOR SHAFT-CENTER OF PIPE FITTINGS



Unit : mm

Item	Type of Pipe Fitting	Nominal Pipe Size								
		A	15~100	125~200	250~300	350~400	450~600	650~750	800~1050	1100~1200
		B	1/2~4	5~8	10~12	14~16	18~24	26~30	32~42	44~48
		Tolerance								
Off Angle(X)	T, Elbow Reducer	0.8	1.6	2.4		3.2	4.8			
Off Plane(Y)	T, Elbow	1.6	3.2	4.8	6.4	9.5		12.7	19.1	

DIMENSIONAL TOLERANCES (ANSI B 16.9 & 16.28)

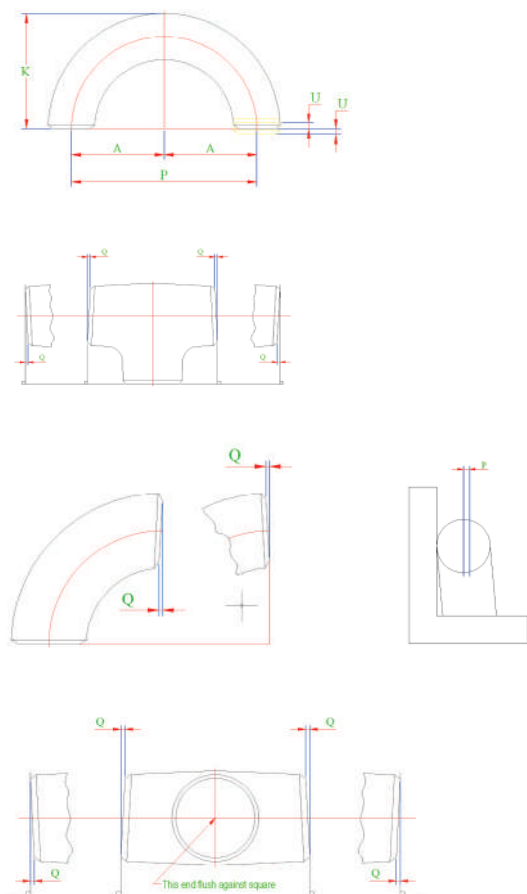
DAE YOUNG BEND

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			±0.12						
10–18	+0.16 –0.12	±0.19			±0.09	±0.09	±0.09	±0.25	±0.38	±0.06
20–24	+0.25 –0.19			±0.12	±0.12	±0.19	±0.38	–	–	–
26–30				±0.19	±0.19					
32–48										

Unit : inch

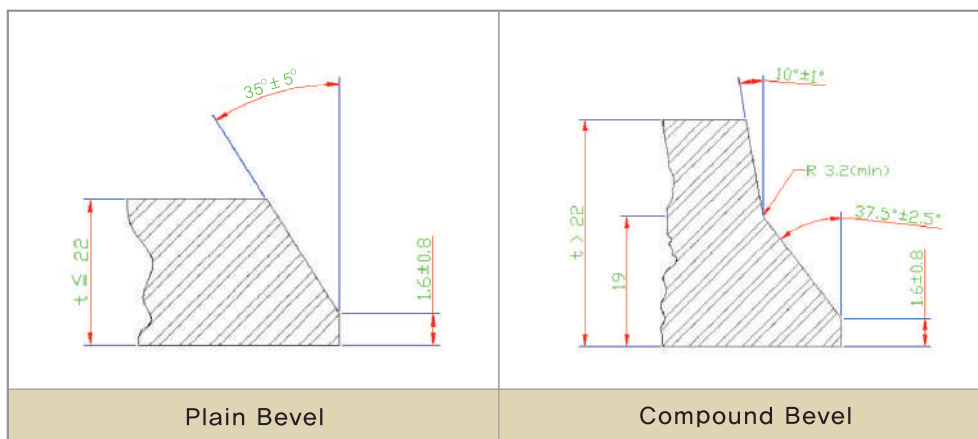


Nominal Pipe Size	Angularity Tolerance	
	Off Angle (Q)	Off Plane (P)
1/2–4	0.03	0.06
5–8	0.06	0.12
10–12	0.09	0.19
14–16		0.25
18–24	0.12	0.38
26–30	0.19	
32–42		0.5
44–48		0.75

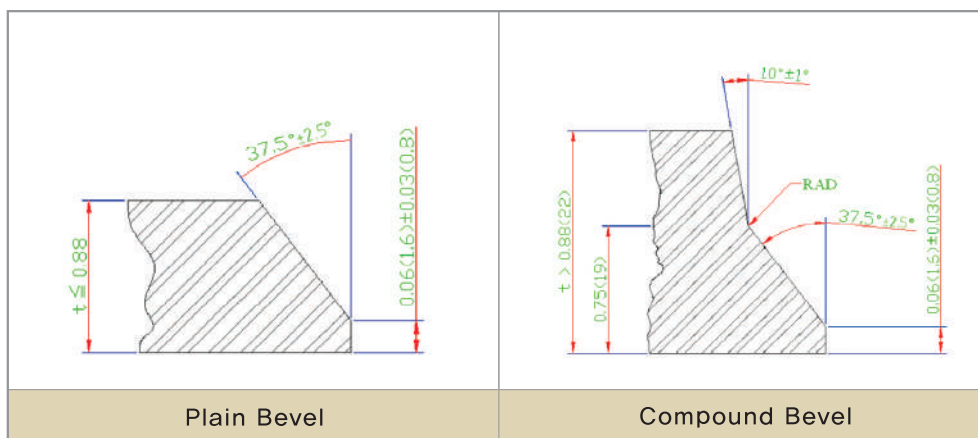
• Dimensions are in inches.

WELDING END PREPERATIONS (KS/JIS, ANSI)

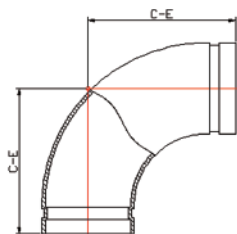
KS / JIS Unit : mm



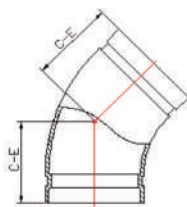
ANSI Unit : inch(mm)



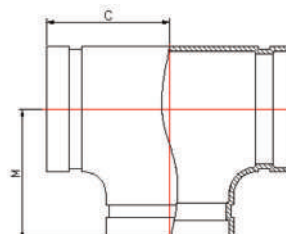
STAINLESS GROOVED FITTINGS



90° ELBOW



45° ELBOW

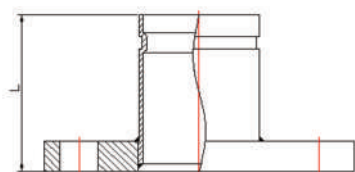


TEE (STRAIGHT)

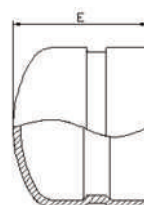
Unit : mm

호칭(A)	O.D	90° ELBOW			45° ELBOW			STRAIGHT TEE			
		C to E	S10(kg)	S20(kg)	C to E	S10(kg)	S20(kg)	C	M	S10(kg)	S20(kg)
50	60.5	92.3	0.58	0.71	57.8	0.21	0.27	78.5	78.5	0.79	0.98
65	76.3	110.9	0.94	1.09	65.6	0.37	0.43	85.0	85.0	1.13	1.31
80	89.1	128.5	1.28	1.69	70.0	0.51	0.67	86.0	86.0	1.30	1.71
100	114.3	152.4	2.00	2.60	63.1	0.96	1.30	105.0	105.0	2.03	2.68
125	139.8	190.5	3.42	4.97	78.9	1.71	2.49	124.0	124.0	3.35	4.88
150	165.2	228.6	4.87	7.09	94.7	2.43	3.54	143.0	143.0	4.65	6.77
200	216.3	304.8	10.0	16.1	126.3	5.01	8.05	178.0	178.0	8.91	14.3
250	267.4	381.0	16.6	25.0	157.8	7.77	12.5	216.0	216.0	13.4	21.5
300	318.5	457.2	25.9	35.9	189.4	12.5	17.9	254.0	254.0	21.0	30.1
350	355.6	355.6	23.1	37.8	220.9	17.3	28.5	279.5	279.5	27.3	44.8
400	406.4	406.4	30.2	49.5	252.5	22.7	37.3	305.0	305.0	31.5	53.5
450	457.2	457.2	38.2	62.8	284.1	28.7	47.3	343.0	343.0	42.7	70.0
500	508.0	508.0	54.7	77.7	315.6	41.1	58.5	381.0	381.0	61.0	86.6
550	558.8	555.8	66.3	114.0	347.2	49.8	85.5	419.0	419.0	74.1	126.2
600	609.6	609.6	90.4	135.0	378.7	68.0	101.0	432.0	432.0	93.9	139.4

※ 90° Elbow 350A 이상은 Short Elbow 치수 적용



FLANGE ADAPTA

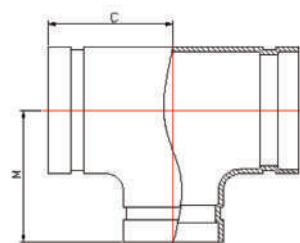


CAP

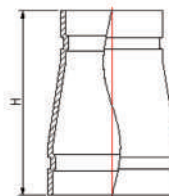
Unit : mm

호칭(A)	O.D	FLANGE ADAPTA			CAP		
		L	S10(kg)	S20(kg)	E	S10(kg)	S20(kg)
50	60.5	80.0	2.2	2.3	51.0	0.20	0.24
65	76.3	85.0	3.1	3.1	55.0	0.29	0.33
80	89.1	85.0	3.2	4.5	66.0	0.41	0.54
100	114.3	90.0	3.9	5.9	63.5	0.59	0.78
125	139.8	95.0	5.9	9.4	76.2	0.99	1.44
150	165.2	100.0	7.7	12.1	88.9	1.39	1.99
200	216.3	115.0	10.0	16.5	101.6	2.38	4.05
250	267.4	120.0	14.9	27.0	127.0	4.13	6.23
300	318.5	120.0	16.9	31.9	152.4	6.39	8.89
350	355.6	190.0	24.4	49.2	165.1	7.99	13.2
400	406.4	220.0	33.6	69.0	177.8	10.1	16.7
450	457.2	225.0	41.7	86.0	203.2	12.9	21.3
500	508.0	260.0	51.4	103.0	228.6	18.5	31.8
550	558.8	280.0	64.3	128.6	254.0	22.6	38.8
600	609.6	285.0	73.1	141.6	266.7	30.1	45.1

STAINLESS GROOVED FITTINGS



TEE (REDUCING)

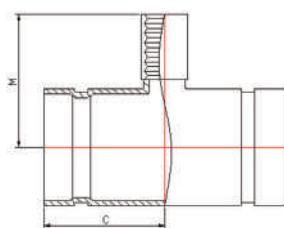


REDUCER

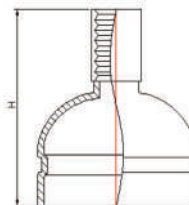
Unit : mm

REDUCING TEE					REDUCER			
호칭(A)	C	M	S10(kg)	S20(kg)	호칭(A)	H	S10(kg)	S20(kg)
65 X 50	85.0	85.0	1.07	1.26	65 X 50	110.0	0.55	0.62
80 X 65	86.0	89.0	1.28	1.64	80 X 65	110.0	0.67	0.86
80 X 50	86.0	89.0	1.25	1.61	80 X 50	110.0	0.60	0.78
100 X 80	105.0	105.0	1.95	2.58	100 X 80	125.0	0.94	1.22
100 X 65	105.0	105.0	1.92	2.49	100 X 65	125.0	0.88	1.14
100 X 50	105.0	105.0	1.87	2.46	100 X 50	125.0	0.80	1.04
125 X 100	124.0	124.0	3.12	4.47	125 X 100	150.0	1.57	2.28
125 X 80	124.0	124.0	3.07	4.41	125 X 80	150.0	1.41	2.05
125 X 65	124.0	124.0	3.04	4.33	125 X 65	150.0	1.33	1.93
150 X 125	143.0	136.5	4.30	6.28	150 X 125	170.0	2.15	3.12
150 X 100	143.0	136.5	4.14	5.96	150 X 100	170.0	1.96	2.85
150 X 80	143.0	136.5	4.10	5.93	150 X 80	170.0	1.78	2.59
200 X 150	178.0	170.0	8.01	12.72	200 X 150	190.0	3.33	5.67
200 X 125	178.0	170.0	7.87	12.54	200 X 125	190.0	3.10	5.28
200 X 100	178.0	165.0	7.67	12.17	200 X 100	190.0	2.88	4.89
250 X 200	216.0	216.0	12.25	19.77	250 X 200	220.0	5.46	8.38
250 X 150	216.0	216.0	11.84	18.89	250 X 150	220.0	4.87	7.47
250 X 125	216.0	216.0	11.79	18.84	250 X 125	220.0	4.58	7.02
300 X 250	254.0	254.0	18.9	27.7	300 X 250	260.0	8.54	12.1
300 X 200	254.0	235.0	18.4	26.8	300 X 200	260.0	7.78	11.0
300 X 150	254.0	235.0	18.1	26.1	300 X 150	260.0	7.02	9.91
350 X 300	279.5	270.0	25.8	43.2	350 X 300	330.0	13.1	21.7
350 X 250	279.5	257.5	24.7	41.0	350 X 250	330.0	12.1	20.0
400 X 350	305.0	305.0	31.5	53.5	400 X 350	356.0	15.9	26.4
400 X 300	305.0	295.5	30.2	51.2	400 X 300	356.0	15.2	25.1
450 X 400	343.0	330.0	40.1	67.5	450 X 400	381.0	18.1	32.2
450 X 350	343.0	330.0	38.4	64.7	450 X 350	381.0	17.0	30.3
500 X 450	381.0	368.5	57.5	84.0	500 X 450	508.0	33.5	56.9
500 X 400	381.0	355.5	55.0	80.5	500 X 400	508.0	31.7	53.8
550 X 500	419.0	406.5	71.8	124.0	550 X 500	508.0	37.0	63.0
550 X 450	419.0	394.0	68.8	118.8	550 X 450	508.0	35.2	59.9
600 X 550	432.0	432.0	90.7	136.4	600 X 550	508.0	46.4	69.1
600 X 500	432.0	432.0	86.9	130.6	600 X 500	508.0	44.4	66.0

STAINLESS GROOVED FITTINGS



SOKET TEE

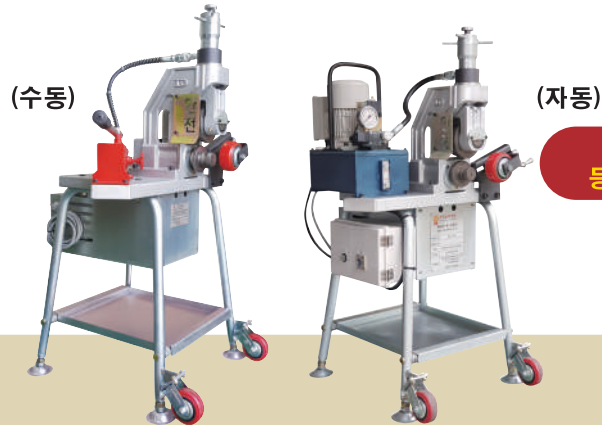


SOKET REDUCER

Unit : mm

SOKET TEE				SOKET REDUCER		
호칭(A)	O.D	C	M	호칭(A)	O.D	H
50 X 15	60.5	63.5	68.0	50 X 15	60.5	82.0
50 X 20	60.5	63.5	81.0	50 X 20	60.5	85.0
50 X 25	60.5	63.5	94.0	50 X 25	60.5	92.0
50 X 32	60.5	63.5	105.0	50 X 32	60.5	97.0
50 X 40	60.5	63.5	108.0	50 X 40	60.5	124.0
65 X 15	76.3	76.2	76.0	65 X 15	76.3	86.0
65 X 20	76.3	76.2	79.0	65 X 20	76.3	89.0
65 X 25	76.3	76.2	100.0	65 X 25	76.3	96.0
65 X 32	76.3	76.2	112.0	65 X 32	76.3	101.0
65 X 40	76.3	76.2	115.0	65 X 40	76.3	137.0
65 X 50	76.3	76.2	126.0	65 X 50	76.3	145.0
80 X 15	89.1	85.7	82.0	80 X 15	89.1	97.0
80 X 20	89.1	85.7	85.0	80 X 20	89.1	100.0
80 X 25	89.1	85.7	93.0	80 X 25	89.1	107.0
80 X 32	89.1	85.7	118.0	80 X 32	89.1	112.0
80 X 40	89.1	85.7	121.0	80 X 40	89.1	112.0
80 X 50	89.1	85.7	132.0	80 X 50	89.1	145.0
100 X 15	114.3	104.8	95.0	100 X 15	114.3	95.0
100 X 20	114.3	104.8	98.0	100 X 20	114.3	98.0
100 X 25	114.3	104.8	106.0	100 X 25	114.3	105.0
100 X 32	114.3	104.8	112.0	100 X 32	114.3	110.0
100 X 40	114.3	104.8	134.0	100 X 40	114.3	110.0
100 X 50	114.3	104.8	145.0	100 X 50	114.3	158.0
125 X 15	139.8	123.8	107.0	125 X 15	139.8	107.0
125 X 20	139.8	123.8	110.0	125 X 20	139.8	110.0
125 X 25	139.8	123.8	118.0	125 X 25	139.8	117.0
125 X 32	139.8	123.8	124.0	125 X 32	139.8	122.0
125 X 40	139.8	123.8	126.0	125 X 40	139.8	122.0
125 X 50	139.8	123.8	161.0	125 X 50	139.8	130.0
150 X 15	165.2	142.9	120.0	150 X 15	165.2	120.0
150 X 20	165.2	142.9	123.0	150 X 20	165.2	123.0
150 X 25	165.2	142.9	131.0	150 X 25	165.2	130.0
150 X 32	165.2	142.9	137.0	150 X 32	165.2	135.0
150 X 40	165.2	142.9	139.0	150 X 40	165.2	135.0
150 X 50	165.2	142.9	149.0	150 X 50	165.2	143.0
200 X 15	216.3	177.8	146.0	200 X 15	216.3	133.0
200 X 20	216.3	177.8	149.0	200 X 20	216.3	136.0
200 X 25	216.3	177.8	157.0	200 X 25	216.3	143.0
200 X 32	216.3	177.8	163.0	200 X 32	216.3	148.0
200 X 40	216.3	177.8	164.0	200 X 40	216.3	148.0
200 X 50	216.3	177.8	174.0	200 X 50	216.3	156.0

PIPE GROOVING MACHINES (파이프 홈 가공기)



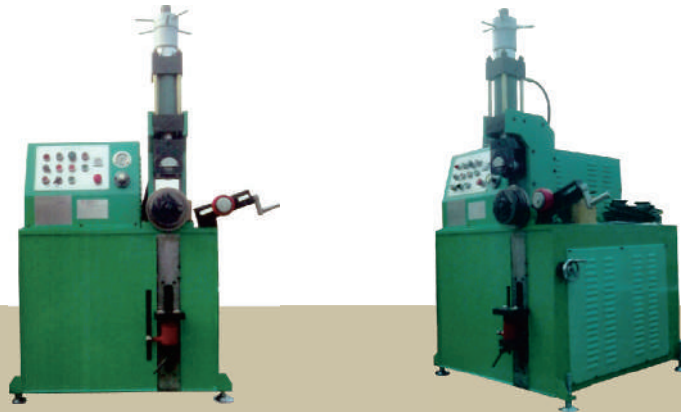
특허등록제품
등록번호 : 10-1838007

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	139Kg	110Kg	115Kg	145Kg
Remark	기본사양 : 50~300A, 기타 : 옵션	기본사양 : 50~150A, 기타 : 옵션	기본사양 : 50~150A, 기타 : 옵션	기본사양 : 50~300A, 기타 : 옵션

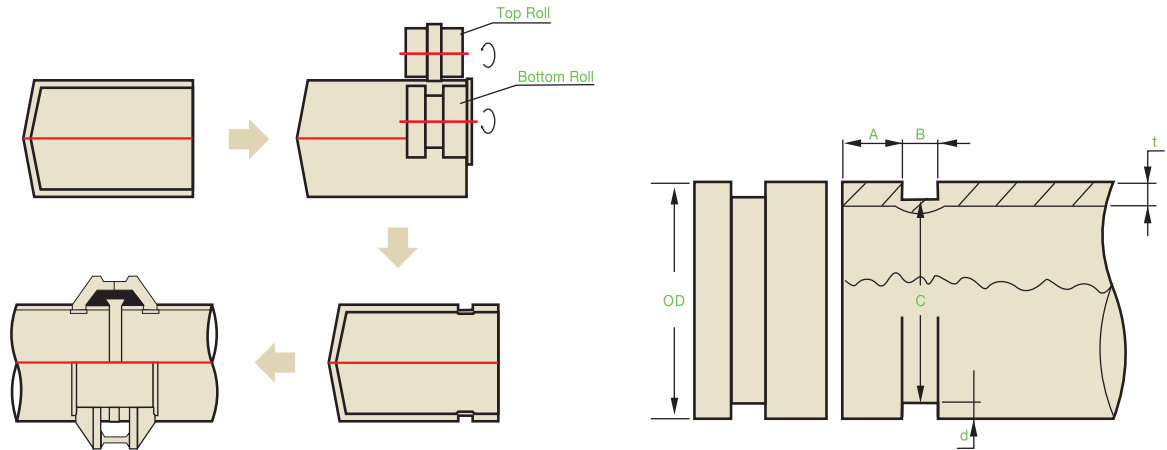


DSC-003

Specification

- ② DSC-003 모델은 유압 시스템, 전기제어 장치, 상단 하단 롤로 구성 되어 있습니다.
- ② DSC-003 모델은 전기와 유압 장치의 제어로 인한 자동 가공 시스템이 가능하고 대형 사이즈 PIPE의 홈 가공 전형기입니다.
- ② Capacity : PIPE 200A ~ 600A (8' ~ 24')
- ② Electricity : 380V 60Hz
- ② System : HYD 150 kg/cm²
- ② Tool rpm : 23 rpm
- ② Main press : 10 Ton
- ② Main stroke : 100mm
- ② Oil tank capacity : 60 L
- ② Tool motor : 5Hp 4p 1/60 rpm 28.5
- ② Hydraulic motor : 5Hp 6p
- ② Speed : 1/8 min./dia. Inch

GROOVING CHART



홈가공 치수 (Roll Grooving Dimension)

Unit : mm

파이프 호칭	파이프 외경	A	B	A,B의 허용공차	홈가공부 직경(C)		홈 깊이 (d)	최소두께 (t)	최대허용 끝단외경
					기준값	허용차			
25A (1")	34.0	15.88	7.14	± 0.76	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
100A (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

스테인리스 강관 홈가공 치수 (Stainless Steel Pipe Grooving Dimension)

Unit : mm

파이프 호칭	파이프 외경	A	B	A,B의 허용공차	홈가공부 직경(C)		홈 깊이 (d)	최소두께 (t)	최대허용 끝단외경
					기준값	허용차			
200A(8')	216.3	19.05	11.91	± 0.76	209	-0.64	3.65	2.77	220.7
250A(10')	267.4	19.05	11.91		260	-0.69	3.7	3.40	271.8
300A(12')	318.5	19.05	11.91		310	-0.76	4.25	3.96	322.8
350A(14')	355.6	23.83	11.91		347	-0.76	4.3	3.96	358.1
400A(16')	406.4	23.83	11.91		397	-0.76	4.7	4.19	408.9

* 200A 이하의 호칭은 위의 강관 홈가공 치수표 참조

스테인레스 피팅의 전문기업 (주)대영벤드



GROOVE JOINT



GROOVE FITTING



PIPE GROOVING MACHINES



AUTOMATIC PIPE
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(주)대영벤드 DAE YOUNG BEND CO., Ltd.

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