



KING LAI HYGIENIC MATERIALS CO.,LTD

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Please contact us for more product details.



BS

TUBES, FITTINGS &
UNIONS



Customer Success Is Our Success.



Kunshan Kinglai Hygienic Materials Co. Ltd. (KL) founded in 2000, and get listed in stock exchange on 6th September 2011. KL specialize in hygienic materials research and manufacture, including vacuum vessel, pump, valve, flange, pressure vessel, tubing and fittings, etc. We have 68 series of product that consist of 100,000 types of UHP & UHV compliance product. KL sanitary division serves customers in various industries, from all this can delete dairy, food, and beverage, to laboratory studies of chemical, pharmaceutical, and bio-tech. KL products are manufactured to meet different regional standards. add .delete and custom-built products are available upon request. "CUSTOMER SUCCESS IS OUR SUCCESS" is the service tenet that we adhere to all the time.

KL is a professional hygienic material manufacturer , with high end technology likesourcing new material, precision machining, surface treatment, clean room, ultra vacuum etc. KL a world leading company is one of the few manufacturers which carry a complete technical system, delete all this.

KL had been certified by ASME BPE in 2013 for both tubing and fitting (*manufacturer), which is the first in Asia to get the certification KL product comply with 3A, DIN, ISO, EHEDG etc.

We are committed to deliver delete this words, best quality, competitive pricing speedy delivery and excellent service for KL product.



2018 BIHAI filling machines fabricate company

Acquisition BIHAI filling machines

Fabricate company

2017 Lion Hygienic Materials Co., Ltd

Setup Lion Hygienic material Co ltd process for gasline to integrate vacuum industries.

2016 KL Group GNB, KL Group Ireland JV.

Acquisition KL Group GNB Establish, Setup KL Group Ireland JV.

2014 EHEDG Certified

2013 ASME BPE Certified

Certified tubing and fitting manufacturer by ASME BPE Org.

2012/2013 KingLai Group

Joint Venture with abc on pressure vessel

Investment on ITO equipment production

2011 Listed Stock (SZSE : 300260)

Certified by GB, ASME(pressure vessel)

Certified by 3A(diaphragm valve, Filter, Changeover valve, tube)

Expansion the 3rd phase(Hefeng factory)

2009 Polaris Factory

3A Certified

ISO9001-2008, PED Certified

2008 Certified of pressure piping

Certified by ISO, BSI

2007 Established Polaris Stainless Steel Technology Co., Ltd.

2006 Expansion the 3rd phase(KingLai factory)

Certified by 3A(C pumps, Ball valve, Check valve)

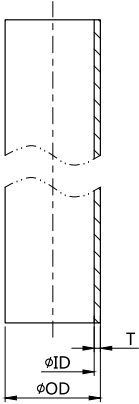
2004 Certified by ISO 9001-2000

2000 Built the domestic factory (KingLai factory)

1991 Founded in Taiwan

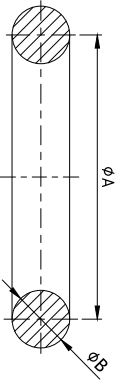
Stainless Steel Hygienic Tubes

No.	Nominal Size,in.	OD / IDxT
A1380-000050	1/2	12.7/9.5x1.6
A1380-000075	3/4	19.05/15.85x1.6
A1380-000100	1	25.4/22.2x1.6
A1380-000150	1.5	38.1/34.9x1.6
A1380-000200	2	50.8/47.6x1.6
A1380-000250	2.5	63.5/60.3x1.6
A1380-000300	3	76.2/73x1.6
A1380-000400	4	101.6/97.6x2
A1380-000500	5	129/125x2
A1380-000600	6	154/150x2
A1380-000800	8	204/200x2
A1380-001000	10	254/250x2



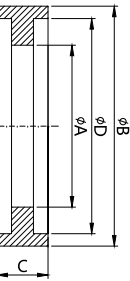
Seal Ring

No.	Size	A	B
1315001-000100	1.0"	33.3	6.6
1315001-000150	1.5"	46.0	6.6
1315001-000200	2.0"	58.7	6.6
1315001-000250	2.5"	71.4	6.6
1315001-000300	3.0"	84.1	6.6
1315001-000400	4.0"	109.5	6.6



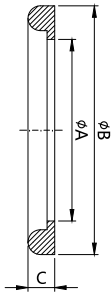
Seal Ring

No.	Size	A	B	C	D
1315002-000100	1.0"	22.2	32.5	7	29.5
1315002-000150	1.5"	34.9	46.0	7	43.0
1315002-000200	2.0"	47.6	59.5	7	56.5
1315002-000250	2.5"	60.3	73.0	7	70.2
1315002-000300	3.0"	73.0	86.5	7	83.0
1315002-000400	4.0"	97.5	119.0	7	111.5



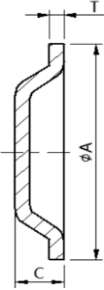
A0069 CIP SEAL

No.	Size	A	B	C
1315003-000100	1.0"	22.2	39.8	7
1315003-000150	1.5"	34.9	52.5	7
1315003-000200	2.0"	47.6	65.2	7
1315003-000250	2.5"	60.3	77.9	7
1315003-000300	3.0"	72.9	90.6	7
1315003-000400	4.0"	98.4	116.0	7



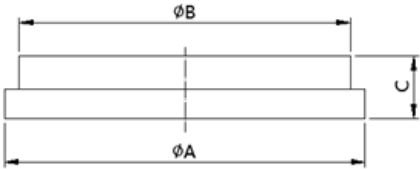
RJT CAP

No.	Size	A	T	C
1316001-000100	1"	41.3	2.5	8.3
1316001-000150	1.5"	54	2.5	8.3
1316001-000200	2"	66.7	2.5	8.3
1316001-000250	2.5"	79.4	2.5	8.3
1316001-000300	3"	92.1	2.5	8.3
1316001-000400	4"	117.5	2.5	8.3



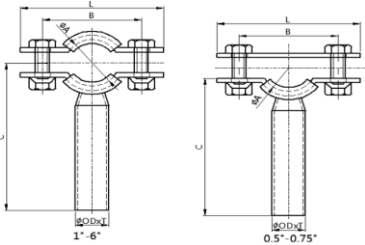
IDF BLANK CAP

No.	Size	A	B	C
1316003-000100	1"	34	29	7
1316003-000150	1.5"	47	42	7
1316003-000200	2.0"	60	56	7
1316003-000250	2.5"	74	69	7
1316003-000300	3.0"	87	82	7
1316003-000400	4.0"	120.6	111.2	8



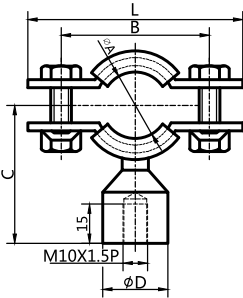
BS Hanger Type B

No.	Size	A	B	C	DxT	L
1324101-000075	1/2"-3/4"	28	56.5	90	19x1.5	82
1324101-000100	1"	28	56.5	90	19x1.5	82
1324101-000150	1.5"	40	72.5	90	19x1.5	98
1324101-000200	2"	56	86.5	90	19x1.5	112
1324101-000250	2.5"	58	98.5	90	19x1.5	124
1324101-000300	3"	78	112.5	90	19x1.5	138
1324101-000400	4"	104	136.5	90	19x1.5	162
1324101-000500	5"	120	170.5	125	19x1.5	196
1324101-000600	6"	148	194.5	135	19x1.5	220

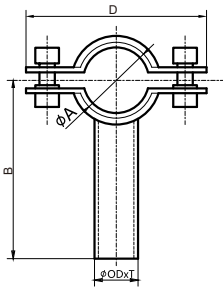


BS Hanger Type C

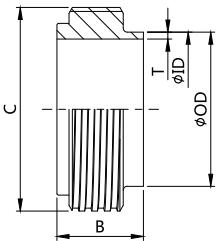
No.	Size	A	B	C	D	L
1324205-000050	1/2"	12.7	56.5	43.60	25	82
1324205-000100	1.0"	25.4	56.5	52.70	25	82
1324205-000150	1.5"	38.1	72.5	59.00	25	98
1324205-000200	2.0"	50.8	86.5	65.40	25	112
1324205-000250	2.5"	63.5	98.5	71.75	25	124
1324205-000300	3.0"	76.2	112.5	78.10	25	138
1324205-000400	4.0"	101.6	136.5	90.8	25	167



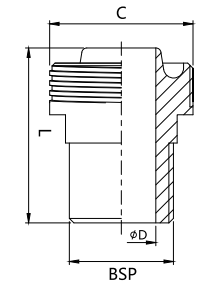
13TH-R TUBE Hanger					
No.	Size	A	B	ODxT	D
1324106-000100	1.00"	25.4	90	22x2	78
1324106-000125	1.25"	31.8	90	22x2	85
1324106-000150	1.50"	38.1	90	22x2	91
1324106-000200	2.00"	50.8	90	22x2	104
1324106-000250	2.50"	63.5	90	22x2	116
1324106-000300	3.00"	76.2	90	22x2	129
1324106-000400	4.00"	101.6	90	22x2	155



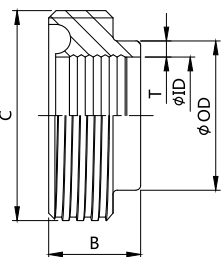
IDF Male				
No.	Size	OD/IDxT	B	C
1309001-000100	1.0"	25.65/22.2x1.725	21.5	37.13-1/8
1309001-000150	1.5"	38.35/34.9x1.725	21.5	50.65-1/8
1309001-000200	2.0"	51.05/47.6x1.725	21.5	64.16-1/8
1309001-000250	2.5"	63.75/60.3x1.725	21.5	77.67-1/8
1309001-000300	3.0"	76.45/73.0x1.725	21.5	91.19-1/8
1309001-000400	4.0"	101.85/97.5x2.175	30.0	125.9-1/6



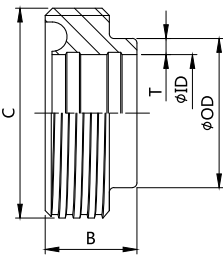
BSP Male					
No.	Size	BSP	C	D	L
1309004-000025	25	1.0"-11	45.72-1/8	22.0	55.8
1309004-000038	38	1.5"-11	58.42-1/8	35.0	55.8
1309004-000051	51	2.0"-11	72.72-1/6	47.5	55.8
1309004-000063	63	2.5"-11	85.42-1/6	60.0	55.8
1309004-000076	76	3.0"-11	98.12-1/6	72.2	55.8



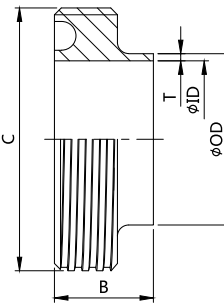
RJT Exp Male				
No.	Size	OD/IDxT	B	C
1309005-000100	1.0"	32.5/25.5x3.5	20	45.72-1/8
1309005-000150	1.5"	45.2/38.2x3.5	24	58.42-1/8
1309005-000200	2.0"	58.0/50.9x3.55	28	72.72-1/6
1309005-000250	2.5"	70.6/63.6x3.5	32	85.42-1/6
1309005-000300	3.0"	83.3/76.3x3.5	32	98.12-1/6
1309005-000400	4.0"	109/101.7x3.65	32	123.52-1/6



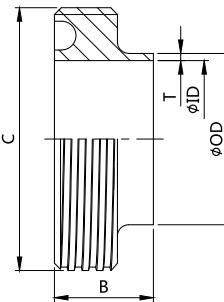
RJT Exp Male				
No.	Size	OD/IDxT	B	C
1309008-000100	1.0"	32.5/25.5x3.5	20	45.72-1/8
1309008-000150	1.5"	45.2/38.2x3.5	24	58.42-1/8
1309008-000200	2.0"	58.0/50.9x3.55	28	72.72-1/6
1309008-000250	2.5"	70.6/63.6x3.5	32	85.42-1/6
1309008-000300	3.0"	83.3/76.3x3.5	32	98.12-1/6
1309008-000400	4.0"	109/101.7x3.65	32	123.52-1/6



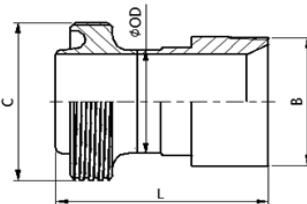
CIP Male				
No.	Size	OD/IDxT	B	C
1309009-000100	1.0"	25.4/22.2x1.6	22	45.72-1/8
1309009-000150	1.5"	38.1/34.9x1.6	22	58.42-1/8
1309009-000200	2.0"	50.8/47.6x1.6	22	72.72-1/6
1309009-000250	2.5"	63.5/60.3x1.6	22	85.42-1/6
1309009-000300	3.0"	76.2/73.0x1.6	22	98.12-1/6
1309009-000400	4.0"	101.6/98.4x1.6	22	123.52-1/6



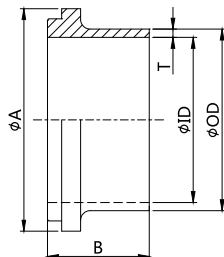
RJT Male				
No.	Size	OD/IDxT	B	C
1309010-000100	1.0"	25.65/22.2x1.725	27	45.72-1/8
1309010-000150	1.5"	38.35/34.9x1.725	27	58.42-1/8
1309010-000200	2.0"	51.05/47.6x1.725	27	72.72-1/6
1309010-000250	2.5"	63.75/60.3x1.725	27	85.42-1/6
1309010-000300	3.0"	76.45/73.0x1.725	27	98.12-1/6
1309010-000400	4.0"	101.85/97.6x2.125	27	123.52-1/6



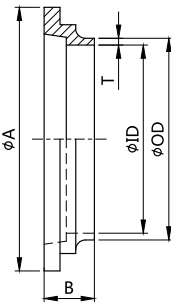
RJT Male					
No.	Size	OD	B	C	L
1309013-000100	1"	25.4	33.25-1"-11BSPT	45.72-1/8	69
1309013-000150	1.5"	38.1	47.8-1.5"-11BSPT	58.42-1/8	70
1309013-000200	2"	50.8	60.2-2"-11BSPT	72.72-1/6	74



IDF Liner				
No.	Size	OD/IDxT	A	B
1310001-000100	1.0"	25.65/22.2x1.725	33.8	21.5
1310001-000150	1.5"	38.35/34.9x1.725	47.0	21.5
1310001-000200	2.0"	51.05/47.6x1.725	60.5	21.5
1310001-000250	2.5"	63.75/60.3x1.725	74.0	21.5
1310001-000300	3.0"	76.45/73.0x1.725	87.5	21.5
1310001-000400	4.0"	101.85/97.5x2.125	120.6	30.0

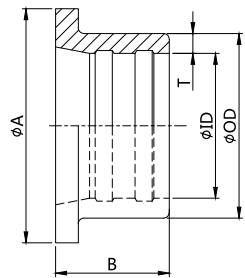


Liners Welding				
No.	Size	OD/IDxT	A	B
1310002-000100	1.0"	25.65/22.2x1.725	41.3	12
1310002-000150	1.5"	38.35/34.9x1.725	54.0	12
1310002-000200	2.0"	51.05/47.6x1.725	66.7	12
1310002-000250	2.5"	63.75/60.3x1.725	79.4	12
1310002-000300	3.0"	76.45/73.0x1.725	92.1	12
1310002-000400	4.0"	101.85/97.6x2.125	117.5	12



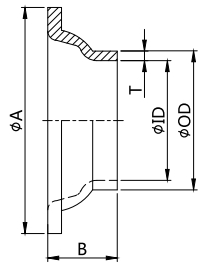
RJT EXP Liner

No.	Size	OD/IDxT	A	B
1310004-000100	1.0"	32.5/25.5x3.5	41.2	20
1310004-000150	1.5"	45.2/38.2x3.5	53.9	24
1310004-000200	2.0"	58.0/50.9x3.55	66.7	28
1310004-000250	2.5"	70.6/63.6x3.5	79.4	32
1310004-000300	3.0"	83.3/76.3x3.5	92.0	32
1310004-000400	4.0"	109/101.7x3.65	117.0	32



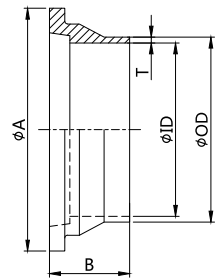
RJT Press Liner

No.	Size	OD/IDxT	A	B
1310005-000100	1.0"	25.65/22.2x1.725	41.3	10.0
1310005-000150	1.5"	38.35/34.9x1.725	54.0	12.7
1310005-000200	2.0"	51.05/47.6x1.725	66.7	12.7
1310005-000250	2.5"	63.75/60.3x1.725	79.4	12.7
1310005-000300	3.0"	76.45/73.0x1.725	92.1	12.7
1310005-000400	4.0"	101.85/97.6x2.125	117.5	22.5



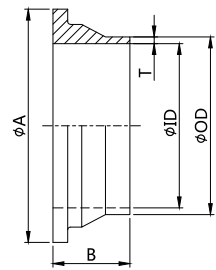
Long RJT Liner

No.	Size	OD/IDxT	A	B
1310006-000100	1.0"	25.4/22.2x1.6	41.3	22
1310006-000150	1.5"	38.1/34.9x1.6	54.0	22
1310006-000200	2.0"	50.8/47.6x1.6	66.7	22
1310006-000250	2.5"	63.5/60.3x1.6	79.4	22
1310006-000300	3.0"	76.2/73.0x1.6	92.1	22
1310006-000400	4.0"	101.6/97.6x2.0	117.5	22
1310006-000500	5.0"	127.0/123.8x1.6	142.9	28
1310006-000600	6.0"	152.4/149.2x1.6	168.3	30



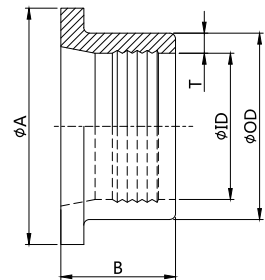
A0069 CIP Liner

No.	Size	OD/IDxT	A	B
1310007-000100	1.0"	25.4/22.2x1.6	41.3	22
1310007-000150	1.5"	38.1/34.9x1.6	54.0	22
1310007-000200	2.0"	50.8/47.6x1.6	66.7	22
1310007-000250	2.5"	63.5/60.3x1.6	79.4	22
1310007-000300	3.0"	76.2/73.0x1.6	92.1	22
1310007-000400	4.0"	101.6/98.4x1.6	117.5	22
1310007-000500	5.0"	127.0/123.8x1.6	142.9	28
1310007-000600	6.0"	152.4/149.2x1.6	168.3	30



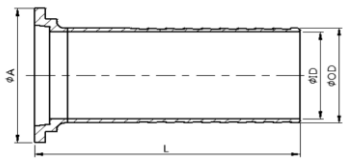
A0069 RJT EXP Liner

No.	Size	OD/IDxT	A	B
1310009-000100	1.0"	32.5/25.5x3.5	41.2	20
1310009-000150	1.5"	45.2/38.2x3.5	53.9	24
1310009-000200	2.0"	58.0/50.9x3.55	66.7	28
1310009-000250	2.5"	70.6/63.6x3.5	79.4	32
1310009-000300	3.0"	83.3/76.3x3.5	92.0	32
1310009-000400	4.0"	109/101.7x3.65	117.0	32



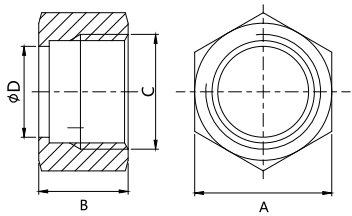
RJT Hose Liner

No.	Size	OD/ID	A	L
1310011-000100	1"	25.4/22.1	41.3	88.2
1310011-000150	1.5"	38.4/34.8	54	94.55
1310011-000200	2"	50.8/47.5	66.7	97.73
1310011-000250	2.5"	63.5/60.2	79.4	107.25
1310011-000300	3"	76.2/72.9	92.1	113.6



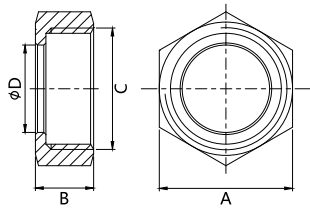
Nuts Round Thread

No.	Size	A	B	C	D
1308001-000100	1.0"	46	30	34.34-1/8	30.5
1308001-000150	1.5"	60	30	47.86-1/8	43.5
1308001-000200	2.0"	75	30	61.37-1/8	57.0
1308001-000250	2.5"	90	30	74.88-1/8	70.7
1308001-000300	3.0"	105	30	88.40-1/8	83.3
1308001-000400	4.0"	133	34.9	122.05-1/6	112.0



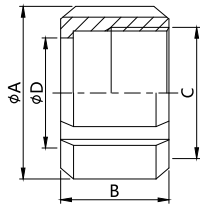
Nuts Round Thread

No.	Size	A	B	C	D
1308002-000100	1.0"	50.8	22.2	42.27-1/8	33.3
1308002-000150	1.5"	65.0	22.2	54.97-1/8	46.0
1308002-000200	2.0"	79.4	22.2	67.92-1/6	58.67
1308002-000250	2.5"	92.1	22.2	80.62-1/6	71.4
1308002-000300	3.0"	104.8	22.2	93.32-1/6	84.1
1308002-000400	4.0"	130.2	22.2	118.7-1/6	109.7



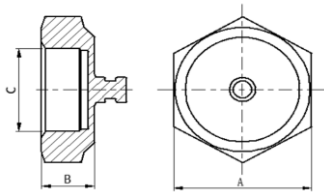
IDF Round Nut

No.	Size	A	B	C	D
1308004-000100	1.0"	48	30	34.34-8TPI	30.5
1308004-000150	1.5"	64	30	47.86-8TPI	43.5
1308004-000200	2.0"	77	30	61.37-8TPI	57.0
1308004-000250	2.5"	91	30	74.88-8TPI	70.7
1308004-000300	3.0"	106	30	88.40-8TPI	83.3



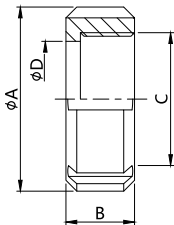
RJTBLANK Hex Nut

No.	Size	A	B	C
1308006-000100	1"	50.8	25	42.27-1/8
1308006-000150	1.5"	65	25	54.97-1/8
1308006-000200	2"	79.4	25	67.92-1/6
1308006-000250	2.5"	92.1	25	80.62-1/6
1308006-000300	3"	104.8	25	93.32-1/6
1308006-000400	4"	130.2	25	118.7-1/6



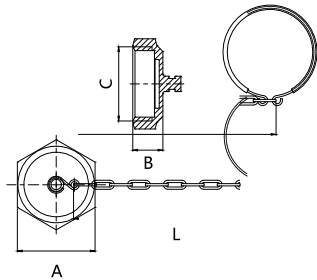
Nuts Round Thread

No.	Size	A	B	C	D
1308007-000100	1.0"	58.5	22.2	42.27-1/8	33.3
1308007-000150	1.5"	74.0	22.2	54.97-1/8	46.0
1308007-000200	2.0"	85.5	22.2	67.92-1/6	58.67
1308007-000250	2.5"	98.5	22.2	80.62-1/6	71.4
1308007-000300	3.0"	116.0	22.2	93.32-1/6	84.1
1308007-000400	4.0"	138.0	22.2	118.7-1/6	109.7



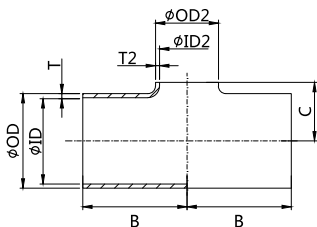
Blank Nuts with chain

No.	Size	A	B	C	L
1308008-000100	1.0"	50.8	25	42.27-1/8	150
1308008-000150	1.5"	65.0	25	54.97-1/8	150
1308008-000200	2.0"	79.4	25	67.92-1/6	150
1308008-000250	2.5"	92.1	25	80.62-1/6	150
1308008-000300	3.0"	104.8	25	93.32-1/6	150
1308008-000400	4.0"	130.2	25	118.7-1/6	270



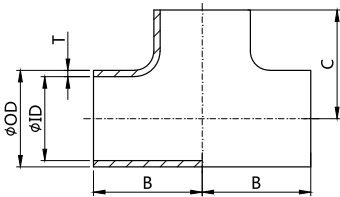
Short Outlet Reducing Tee

No.	Size	OD / IDxT	OD2 / ID2xT2	B	C
1303000-075050	3/4"X1/2"	19.1/15.9x1.6	12.7/9.5x1.6	44.5	10.95
1303000-100050	1.0"X1/2"	25.4/22.2x1.6	12.7/9.5x1.6	43.5	14.2
1303000-100075	1.0"X3/4"	25.4/22.2x1.6	19.1/15.9x1.6	43.5	14.2
1303000-150050	1.5"X1/2"	38.1/34.9x1.6	12.7/9.5x1.6	63.5	22
1303000-150075	1.5"X3/4"	38.1/34.9x1.6	19.1/15.9x1.6	63.5	22
1303000-150100	1.5"X1.0"	38.1/34.9x1.6	25.4/22.2x1.6	63.5	22
1303000-200050	2.0"X1/2"	50.8/47.6x1.6	12.7/9.5x1.6	88.5	29
1303000-200075	2.0"X3/4"	50.8/47.6x1.6	19.1/15.9x1.6	88.5	29
1303000-200100	2.0"X1.0"	50.8/47.6x1.6	25.4/22.2x1.6	88.5	29
1303000-200150	2.0"X1.5"	50.8/47.6x1.6	38.1/34.9x1.6	88.5	29
1303000-250100	2.5"X1.0"	63.5/60.3x1.6	25.4/22.2x1.6	113.5	35
1303000-250150	2.5"X1.5"	63.5/60.3x1.6	38.1/34.9x1.6	113.5	35
1303000-250200	2.5"X2.0"	63.5/60.3x1.6	50.8/47.6x1.6	113.5	35
1303000-300050	3.0"X1/2"	76.2/73.0x1.6	12.7/9.5x1.6	133.5	41
1303000-300075	3.0"X3/4"	76.2/73.0x1.6	19.1/15.9x1.6	133.5	41
1303000-300100	3.0"X1.0"	76.2/73.0x1.6	25.4/22.2x1.6	133.5	41
1303000-300150	3.0"X1.5"	76.2/73.0x1.6	38.1/34.9x1.6	133.5	41
1303000-300200	3.0"X2.0"	76.2/73.0x1.6	50.8/47.6x1.6	133.5	41
1303000-300250	3.0"X2.5"	76.2/73.0x1.6	63.5/60.3x1.6	133.5	41
1303000-400100	4.0"X1.0"	101.6/97.6x2	25.4/22.2x1.6	173.5	55
1303000-400150	4.0"X1.5"	101.6/97.6x2	38.1/34.9x1.6	173.5	55
1303000-400200	4.0"X2.0"	101.6/97.6x2	50.8/47.6x1.6	173.5	55
1303000-400250	4.0"X2.5"	101.6/97.6x2	63.5/60.3x1.6	173.5	55
1303000-400300	4.0"X3.0"	101.6/97.6x2	76.2/73x1.6	173.5	55



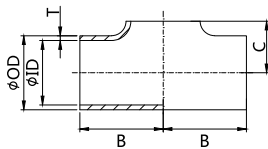
Automatictube Weld:Short Tee

No.	Size	OD / IDxT	B	C
1303100-000050	1/2"	12.7/9.5x1.6	32.0	32.0
1303100-000075	3/4"	19.1/15.9x1.6	44.5	44.5
1303100-000100	1.0"	25.4/22.2x1.6	43.5	43.5
1303100-000125	1.25"	38.1/34.9x1.6	53.5	53.5
1303100-000150	1.5"	38.1/34.9x1.6	63.5	63.5
1303100-000200	2.0"	50.8/47.6x1.6	88.5	88.5
1303100-000250	2.5"	63.5/60.3x1.6	113.5	113.5
1303100-000300	3.0"	76.2/73x1.6	133.5	133.5
1303100-000400	4.0"	101.6/97.6x2	173.5	173.5



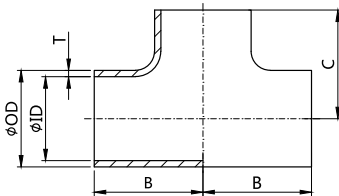
Short Outlet Tee

No.	Size	OD / IDxT	B	C
1303000-000100	1.0"	25.4/22.2x1.6	43.5	14.2
1303000-000150	1.5"	38.1/34.9x1.6	63.5	21.55
1303000-000200	2.0"	50.8/47.6x1.6	88.5	29.1
1303000-000250	2.5"	63.5/60.3x1.6	113.5	35.25
1303000-000300	3.0"	76.2/73.0x1.6	133.5	41.4
1303000-000400	4.0"	101.6/97.6x2.0	173.5	54.7



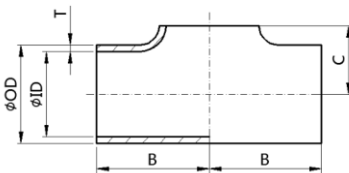
Automatic Tube Weld :Straight Tee

No.	Size	OD / IDxT	B	C
1303101-000050	1/2"	12.7/9.5x1.6	45	45
1303101-000075	3/4"	19.1/15.9x1.6	60	60
1303101-000100	1.0"	25.4/22.2x1.6	65	65
1303101-000150	1.5"	38.1/34.9x1.6	85	85
1303101-000200	2.0"	50.8/47.6x1.6	110	110
1303101-000250	2.5"	63.5/60.3x1.6	135	135
1303101-000300	3.0"	76.2/73x1.6	155	155
1303101-000400	4.0"	101.6/97.6x2	195	195



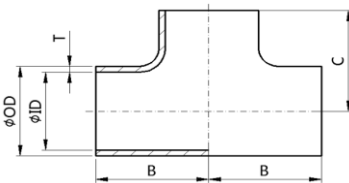
Short Outlet Tee

No.	Size	OD/ IDxT	B	C
1303002-000100	1"	25/22.6x1.2	44	14.4
1303002-000150	1.5"	38/35.6x1.2	64	21.6
1303002-000200	2"	51/48.6x1.2	89	29



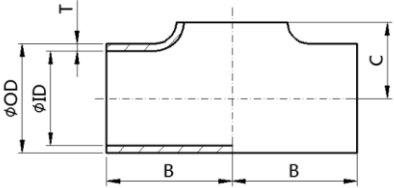
Tee

No.	Size	OD/ IDxT	B	C
1303102-000100	1"	25/22.6x1.2	44	44
1303102-000150	1.5"	38/35.6x1.2	64	64
1303102-000200	2"	51/48.6x1.2	89	89



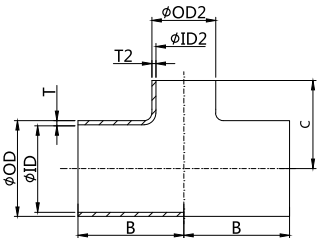
Red Tee

No.	Size	OD / IDxT	OD2 / ID2xT2	B	C
1303003-150100	1.5"X1"	38/35.6x1.2	25/22.6x1.2	64	22.05
1303003-200100	2"X1"	51/48.6x1.2	25/22.6x1.2	89	28.9
1303003-200150	2"X1.5"	51/48.6x1.2	38/35.6x1.2	89	28.9
1303003-250100	2.5"X1"	63.5/60.3x1.6	25/22.6x1.2	114	35
1303003-250150	2.5"X1.5"	63.5/60.3x1.6	38/35.6x1.2	114	35
1303003-250200	2.5"X2"	63.5/60.3x1.6	51/48.6x1.2	114	35
1303003-300100	3"X1"	76.1/72.1x2	25/22.6x1.2	110	40.95
1303003-300150	3"X1.5"	76.1/72.1x2	38/35.6x1.2	110	40.95
1303003-300200	3"X2"	76.1/72.1x2	51/48.6x1.2	110	40.95
1303003-300250	3"X2.5"	76.1/72.1x2	63.5/60.3x1.6	110	40.95
1303003-400100	4"X1"	101.6/97.6x2	25/22.6x1.2	174	55
1303003-400150	4"X1.5"	101.6/97.6x2	38/35.6x1.2	174	55
1303003-400200	4"X2"	101.6/97.6x2	51/48.6x1.2	174	55
1303003-400250	4"X2.5"	101.6/97.6x2	63.5/60.3x1.6	174	55
1303003-400300	4"X3"	101.6/97.6x2	76.1/72.9x1.6	174	55



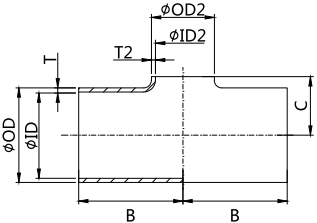
Automatic Tube Weld :Reducing Tee

No.	Size	OD / IDxT	OD2 / ID2xT2	B	C
1303101-075050	3/4"X1/2"	19.1/15.9x1.6	12.7/9.5x1.6	60	48
1303101-100050	1.0"X1/2"	25.4/22.2x1.6	12.7/9.5x1.6	65	51
1303101-100075	1.0"X3/4"	25.4/22.2x1.6	19.1/15.9x1.6	65	63
1303101-150050	1.5"X1/2"	38.1/34.9x1.6	12.7/9.5x1.6	85	58
1303101-150075	1.5"X3/4"	38.1/34.9x1.6	19.1/15.9x1.6	85	70
1303101-150100	1.5"X1.0"	38.1/34.9x1.6	25.4/22.2x1.6	85	71
1303101-200050	2.0"X1/2"	50.8/47.6x1.6	12.7/9.5x1.6	110	64
1303101-200075	2.0"X3/4"	50.8/47.6x1.6	19.1/15.9x1.6	110	76
1303101-200100	2.0"X1.0"	50.8/47.6x1.6	25.4/22.2x1.6	110	78
1303101-200150	2.0"X1.5"	50.8/47.6x1.6	38.1/34.9x1.6	110	91
1303101-250050	2.5"X1/2"	63.5/60.3x1.6	12.7/9.5x1.6	135	70
1303101-250075	2.5"X3/4"	63.5/60.3x1.6	19.1/15.9x1.6	135	82
1303101-250100	2.5"X1.0"	63.5/60.3x1.6	25.4/22.2x1.6	135	84
1303101-250150	2.5"X1.5"	63.5/60.3x1.6	38.1/34.9x1.6	135	98
1303101-250200	2.5"X2.0"	63.5/60.3x1.6	50.8/47.6x1.6	135	116
1303101-300050	3.0"X1/2"	76.2/73x1.6	12.7/9.5x1.6	155	77
1303101-300075	3.0"X3/4"	76.2/73x1.6	19.1/15.9x1.6	155	89
1303101-300100	3.0"X1.0"	76.2/73x1.6	25.4/22.2x1.6	155	90
1303101-300150	3.0"X1.5"	76.2/73x1.6	38.1/34.9x1.6	155	104
1303101-300200	3.0"X2.0"	76.2/73x1.6	50.8/47.6x1.6	155	123
1303101-300250	3.0"X2.5"	76.2/73x1.6	63.5/60.3x1.6	155	141
1303101-400050	4.0"X1/2"	101.6/97.6x2	12.7/9.5x1.6	195	89
1303101-400075	4.0"X3/4"	101.6/97.6x2	19.1/15.9x1.6	195	101
1303101-400100	4.0"X1.0"	101.6/97.6x2	25.4/22.2x1.6	195	103
1303101-400150	4.0"X1.5"	101.6/97.6x2	38.1/34.9x1.6	195	117
1303101-400200	4.0"X2.0"	101.6/97.6x2	50.8/47.6x1.6	195	135
1303101-400250	4.0"X2.5"	101.6/97.6x2	63.5/60.3x1.6	195	154
1303101-400300	4.0"X3.0"	101.6/97.6x2	76.2/73x1.6	195	168



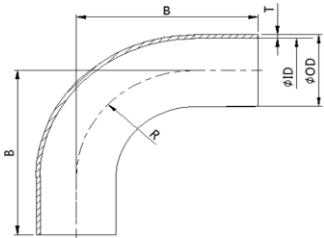
Short Outlet Reducing Tee

No.	Size	OD / IDxT	OD2 / ID2xT2	B	C
1303003-100050	1.0"X1/2"	25.4/22.2x1.6	12.7/9.5x1.2	55	14.3
1303003-100075	1.0"X3/4"	25.4/22.2x1.6	19.1/15.9x1.6	55	14.3
1303003-150050	1.5"X1/2"	38.1/34.9x1.6	12.7/9.5x1.2	70	21.55
1303003-150075	1.5"X3/4"	38.1/34.9x1.6	19.1/15.9x1.6	70	20.55
1303003-150100	1.5"X1.0"	38.1/34.9x1.6	25.4/22.2x1.6	70	21.95
1303003-200050	2"X1/2.0"	50.8/47.6x1.6	12.7/9.5x1.2	82	27.8
1303003-200075	2.0"X3/4"	50.8/47.6x1.6	19.1/15.9x1.6	82	28.1
1303003-200100	2.0"X1.0"	50.8/47.6x1.6	25.4/22.2x1.6	82	29.6
1303003-200150	2.0"X1.5"	50.8/47.6x1.6	38.1/34.9x1.6	82	28.8
1303003-250100	2.5"X1.0"	63.5/60.3x1.6	25.4/22.2x1.6	105	36.25
1303003-250150	2.5"X1.5"	63.5/60.3x1.6	38.1/34.9x1.6	105	36.65
1303003-250200	2.5"X2.0"	63.5/60.3x1.6	50.8/47.6x1.6	105	36.25
1303003-300050	3.0"X1/2"	76.2/73x1.6	12.7/9.5x1.2	110	39.4
1303003-300075	3.0"X3/4"	76.2/73x1.6	19.1/15.9x1.6	110	40.4
1303003-300100	3.0"X1.0"	76.2/73x1.6	25.4/22.2x1.6	110	41.9
1303003-300150	3.0"X1.5"	76.2/73x1.6	38.1/34.9x1.6	110	42.5
1303003-300200	3.0"X2.0"	76.2/73x1.6	50.8/47.6x1.6	110	41.9
1303003-300250	3.0"X2.5"	76.2/73x1.6	63.5/60.3x1.6	110	42.4
1303003-400100	4.0"X1.0"	101.6/97.6x2	25.4/22.2x1.6	150	54.2
1303003-400150	4.0"X1.5"	101.6/97.6x2	38.1/34.9x1.6	150	54.2
1303003-400200	4.0"X2.0"	101.6/97.6x2	50.8/47.6x1.6	150	54.2
1303003-400250	4.0"X2.5"	101.6/97.6x2	63.5/60.3x1.6	150	54.2
1303003-400300	4.0"X3.0"	101.6/97.6x2	76.2/73x1.6	150	54.2



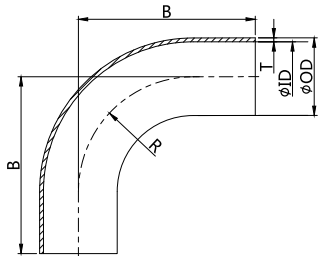
Bs Long Bend

No.	Size	OD/ IDxT	B	R
1306105-00100	1"	25/22.6x1.2	44	38.1
1306105-00150	1.5"	38/35.6x1.2	64	57.2
1306105-00200	2"	51/48.6x1.2	89	76.2



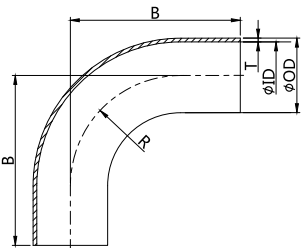
Automatic Tube Weld: 90-deg Elbow

No.	Size	OD/ IDxT	B	R
1306101-00050	1/2"	12.7/9.5x1.6	45	19.1
1306101-00075	3/4"	19.05/15.85x1.6	60	28.6
1306101-00100	1.0"	25.4/22.2x1.6	65	38.1
1306101-00150	1.5"	38.1/34.9x1.6	85	57.2
1306101-00200	2.0"	50.8/47.6x1.6	110	76.2
1306101-00250	2.5"	63.5/60.3x1.6	135	95.3
1306101-00300	3.0"	76.2/73.0x1.6	155	114.3
1306101-00301	3.0"-1	76.2/72.2x2.0	155	114.3
1306101-00400	4.0"	101.6/97.6x2.0	195	152.4



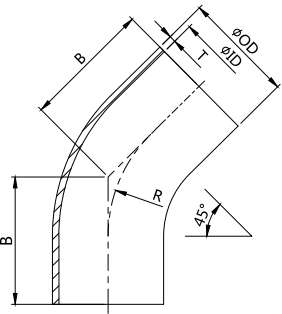
Automatic Tube Weld: 90-deg Elbow

No.	Size	OD/ IDxT	B	R
1306100-000100	1.0"	25.4/22.2x1.6	44	38.1
1306100-000150	1.5"	38.1/34.9x1.6	64	57.2
1306100-000200	2.0"	50.8/47.6x1.6	89	76.2
1306100-000250	2.5"	63.5/60.3x1.6	114	95.3
1306100-000300	3.0"	76.2/73.0x1.6	134	114.3
1306100-000400	4.0"	101.6/97.6x2.0	174	152.4



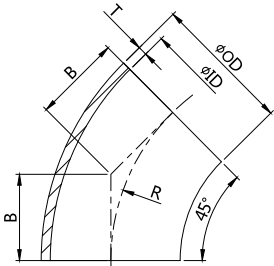
Automatic Tube Weld: 45-deg Elbow

No.	Size	OD/ IDxT	B	R
1306103-000075	3/4"	19.05/15.85x1.6	19.4	28.6
1306103-000100	1.0"	25.4/22.2x1.6	30.18	38.1
1306103-000150	1.5"	38.1/34.9x1.6	41.28	57.2
1306103-000200	2.0"	50.8/47.6x1.6	58.72	76.2
1306103-000250	2.5"	63.5/60.3x1.6	76.2	95.3
1306103-000300	3.0"	76.2/73.0x1.6	93.7	114.3
1306103-000400	4.0"	101.6/97.6x2.0	122.2	152.4



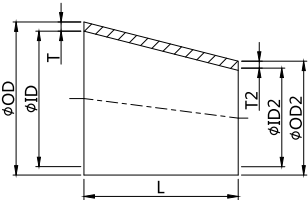
45 – deg Short Elbow

No.	Size	OD/ IDxT	B	R
1306001-000050	1/2"	12.7/9.5x1.6	7.95	19.10
1306001-000075	3/4"	19.05/15.85x1.6	11.91	28.60
1306001-000100	1.0"	25.4/22.2x1.6	15.77	38.10
1306001-000150	1.5"	38.1/34.9x1.6	23.67	57.15
1306001-000200	2.0"	50.8/47.6x1.6	31.57	76.20
1306001-000250	2.5"	63.5/60.3x1.6	39.70	95.25
1306001-000300	3.0"	76.2/73.0x1.6	47.35	114.30
1306001-000400	4.0"	101.6/97.6x2.11	63.12	152.40



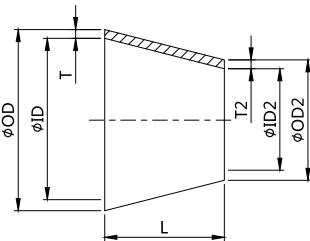
Eccentric Reducer

No.	Size	OD/IDxT	OD2/ID2xT2	L
1305100-075050	3/4"X1/2"	19.05/15.85x1.6	12.7/9.5x1.6	21.5
1305100-100050	1.0"X1/2"	25.4/22.2x1.6	12.7/9.5x1.6	22.9
1305100-100075	1.0"X3/4"	25.4/22.2x1.6	19.05/15.85x1.6	26.8
1305100-150100	1.5"X1.0"	38.1/34.9x1.6	25.4/22.2x1.6	35.0
1305100-200100	2.0"X1.0"	50.8/47.6x1.6	25.4/22.2x1.6	54.0
1305100-200150	2.0"X1.5"	50.8/47.6x1.6	38.1/34.9x1.6	36.0
1305100-250100	2.5"X1.0"	63.5/60.3x1.6	25.4/22.2x1.6	76.0
1305100-250150	2.5"X1.5"	63.5/60.3x1.6	38.1/34.9x1.6	66.0
1305100-250200	2.5"X2.0"	63.5/60.3x1.6	50.8/47.6x1.6	35.0
1305100-300100	3.0"X1.0"	76.2/73x1.6	25.4/22.2x1.6	112.0
1305100-300150	3.0"X1.5"	76.2/73x1.6	38.1/34.9x1.6	78.0
1305100-300200	3.0"X2.0"	76.2/73x1.6	50.8/47.6x1.6	66.0
1305100-300250	3.0"X2.5"	76.2/73x1.6	63.5/60.3x1.6	44.0
1305100-400100	4.0"X1.0"	101.6/97.6x2	25.4/22.2x1.6	155.0
1305100-400150	4.0"X1.5"	101.6/97.6x2	38.1/34.9x1.6	122.0
1305100-400200	4.0"X2.0"	101.6/97.6x2	50.8/47.6x1.6	97.0
1305100-400250	4.0"X2.5"	101.6/97.6x2	63.5/60.3x1.6	73.0
1305100-400300	4.0"X3.0"	101.6/97.6x2	76.2/73x1.6	77.0



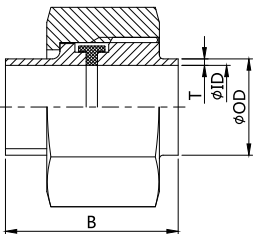
Concentric Reducer

No.	Size	AxT1	DxT2	L
1305000-075050	3/4"X1/2"	19.05/15.85x1.6	12.7/9.5x1.6	20
1305000-100050	1.0"X1/2"	25.4/22.2x1.6	12.7/9.5x1.6	25
1305000-100075	1.0"X3/4"	25.4/22.2x1.6	19.05/15.85x1.6	16
1305000-150100	1.5"X1.0"	38.1/34.9x1.6	25.4/22.2x1.6	29
1305000-200100	2.0"X1.0"	50.8/47.6x1.6	25.4/22.2x1.6	53
1305000-200150	2.0"X1.5"	50.8/47.6x1.6	38.1/34.9x1.6	41
1305000-250100	2.5"X1.0"	63.5/60.3x1.6	25.4/22.2x1.6	82
1305000-250150	2.5"X1.5"	63.5/60.3x1.6	38.1/34.9x1.6	64
1305000-250200	2.5"X2.0"	63.5/60.3x1.6	50.8/47.6x1.6	40
1305000-300100	3.0"X1.0"	76.2/73x1.6	25.4/22.2x1.6	108
1305000-300150	3.0"X1.5"	76.2/73x1.6	38.1/34.9x1.6	81
1305000-300200	3.0"X2.0"	76.2/73x1.6	50.8/47.6x1.6	55
1305000-300250	3.0"X2.5"	76.2/73x1.6	63.5/60.3x1.6	41
1305000-400100	4.0"X1.0"	101.6/97.6x2	25.4/22.2x1.6	159
1305000-400150	4.0"X1.5"	101.6/97.6x2	38.1/34.9x1.6	134
1305000-400200	4.0"X2.0"	101.6/97.6x2	50.8/47.6x1.6	106
1305000-400250	4.0"X2.5"	101.6/97.6x2	63.5/60.3x1.6	76
1305000-400300	4.0"X3.0"	101.6/97.6x2	76.2/73x1.6	53



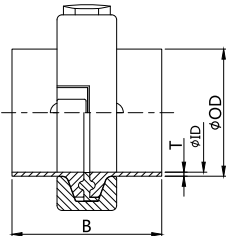
Union

No.	Size	OD/ IDxT	B
1312001-000100	1.0"	25.65/22.2x1.725	46
1312001-000150	1.5"	38.35/34.9x1.725	46
1312001-000200	2.0"	51.05/47.6x1.725	46
1312001-000250	2.5"	63.75/60.3x1.725	46
1312001-000300	3.0"	76.45/73.0x1.725	46
1312001-000400	4.0"	101.85/97.5x2.175	63



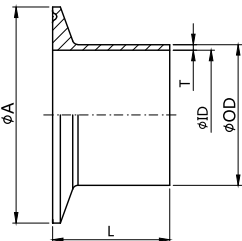
Union

No.	Size	OD/ IDxT	B
1312006-000075	3/4"	19.05/15.75x1.65	45.0
1312006-000100	1.0"	25.4/22.1x1.65	45.1
1312006-000150	1.5"	38.1/34.8x1.65	45.1
1312006-000200	2.0"	50.8/47.5x1.65	45.1
1312006-000250	2.5"	63.5/60.2x1.65	45.1
1312006-000300	3.0"	76.2/72.9x1.65	45.1
1312006-000400	4.0"	101.6/97.4x2.1	45.1



Clamp Ferrule

No.	Size	OD/ IDxT	A	L
1314001-000050	1/2"	12.7/9.4x1.65	25.0	21.5
1314001-100050	1/2"-1	12.7/9.4x1.65	50.4	21.5
1314001-000075	3/4"	19.05/15.75x1.65	25.0	21.5
1314001-100075	3/4"-1	19.05/15.75x1.65	50.4	21.5
1314001-000100	1.0"	25.4/22.1x1.65	50.4	21.5
1314001-000150	1.5"	38.1/34.8x1.65	50.4	21.5
1314001-000200	2.0"	50.8/47.5x1.65	63.9	21.5
1314001-000250	2.5"	63.5/60.2x1.65	77.5	21.5
1314001-000300	3.0"	76.2/72.9x1.65	90.9	21.5
1314001-000400	4.0"	101.6/97.4x2.11	118.9	21.5



NOTE: