



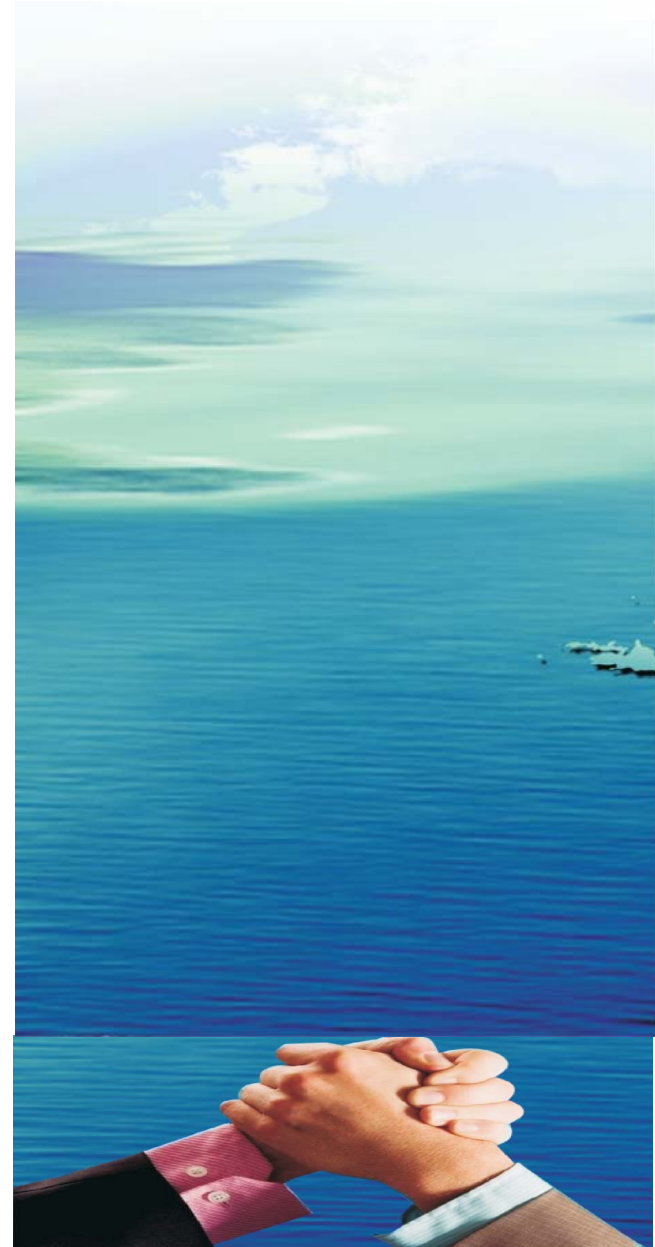
温州永鸿流体机械有限公司
Wenzhou Yonghong Fluid Machinery Co., Ltd

主要产品：

超高洁净不锈钢管道、管件、阀门
及各种不锈钢非标件制作。

应用行业：

食品、生物制药、电子、太阳能光伏、
光纤通信、液晶显示、半导体、科研
院校等行业。



Products

YH Manual for
Butterfly Valve



Clamp Unions / Seal / Tubing Hanger



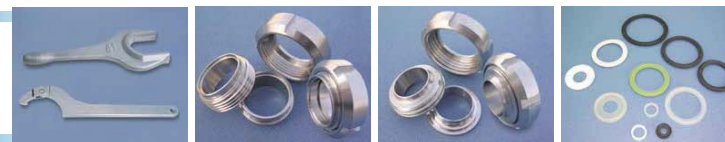
Unions 3A, DIN, SMS, RJT,
BS, AS...../ Seal



Industrial Ball Valve



Unions 3A, DIN,
SMS, RJT, BS,
AS...../ Seal



Spectrum Analysis Machine



Orbital Welding



Specialized
Technology

Manifold Tubing



Hose Adapter /
Flexibles Hose



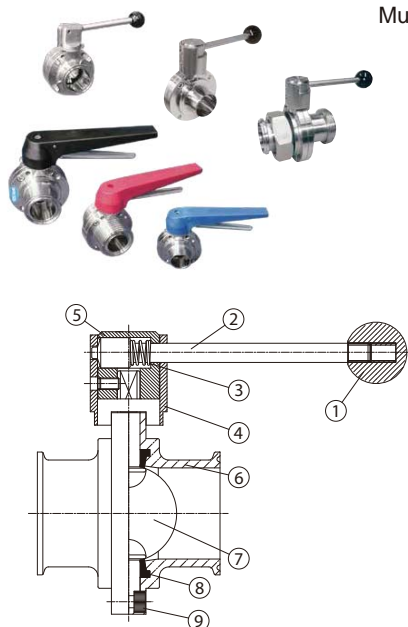
Tube Fitting



Tube



YH Range of Butterfly Valve



Multi Connection With St.St Pull Handle, 4 Position

Item	Parts List
1	Knob
2	Steel-Bar
3	Spring St.st
4	Fixed Piece
5	Holder
6	Body
7	Disc
8	EPDM Rubber Seat
9	Screw Bolt

Torque for Full Open/Close

1.0"	< 9.8 N.m
1.5"	< 9.8 N.m
2.0"	13 N.m
2.5"	15 N.m
3.0"	20 N.m
4.0"	30 N.m
6.0"	70 N.m

*1kgf-m = 9.8 N.m = 86.8 lbf-in = 7.23 lbf-ft

Width Range of YH Butterfly Valve-C & C Type

Body: SUS304 、 316L material made out from precision CNC milling machined.

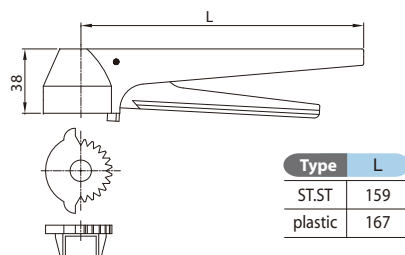
Body can be changeable, and low torque. BS 、 SMS 、 DIN 、 3A Weld end and Male/Male end and Clamp end.

Disk: Made out from full machined, high polished. Ra less than 0.6 μm. 9.5x9.5mm and 8x12mm, 12x12mm head for USA and europe required. Electropolished and PTFE coating can be required.

Handle: Different nylon re-forced and stainless steel handle gripper, pull, Press type.

From 2 Position-12 Position, designed for your width range choice.

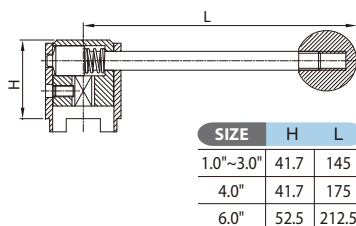
GRIPPER HANDLE 12 POSITION-G12 (NYLON & STAINLESS)



Type	L
ST.ST	159
plastic	167

Can fit ☐ 9.5x9.5 and ☐ Ø12x8 or ☐ 12x12

PULL HANDLE 4 POSITION-P4



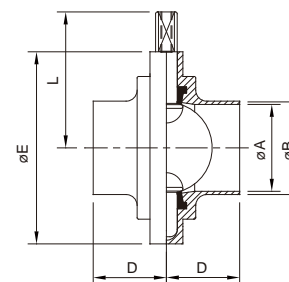
SIZE	H	L
1.0"~3.0"	41.7	145
4.0"	41.7	175
6.0"	52.5	212.5

Can fit ☐ 9.5x9.5 and ☐ Ø12x8 or ☐ 12x12

Other Handle

YH Full Forged Butterfly Valves

Weld End



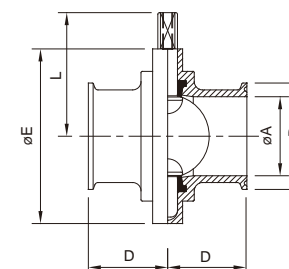
DIN WELD BUTTERFLY VALVE

SIZE	A type ØA	B type ØB	ØA	ØB	D	ØE	L
DN10	10	13	9	12	34	79	61
DN15	16	19	15	18	34	79	61
DN20	20	23	19	22	34	79	61
DN25	26	29	25	28	34	79	61
DN32	32	35	31	34	38	85	64.3
DN40	38	41	37	40	38	90	66.7
DN50	50	53	49	52	40	105	77.6
DN65	66	70	65	70	41	125	84.8
DN80	81	85	80	85	42	137	91.6
DN100	97.6	101.6	97	101	44	157	101.75
	100	104	99	103	44	157	101.75

IMPERIAL OD/BS/SMS WELD BUTTERFLY VALVE

SIZE	ØA	ØB	SIZE	ØA	ØB	D	ØE	L
1/2"	9.4	12.7	—	—	—	34	79	61
3/4"	15.75	19.05	—	—	—	34	79	61
1.0"	22.1	25.4	DN25	22.5	25	34	79	61
1.5"	34.8	38.1	DN38	35.5	38	38	85	64.3
2.0"	47.5	50.8	DN50	48.5	51	40	105	74.3
2.5"	60.2	63.5	DN63	60.3	63.5	40	112	77.6
3.0"	72.9	76.2	DN76	72.9	76.1	41	125	84.8
4.0"	97.4	101.6	DN100	100	104	44	157	101.75
6.0"	146.86	152.4	—	—	—	40	216.5	132.5

Clamp End

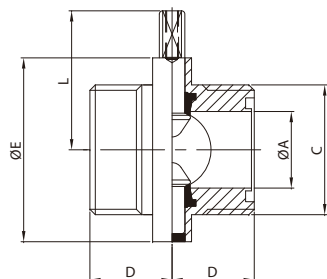


IMPERIAL OD CLAMP BUTTERFLY VALVE

SIZE	ØA	ØB	D	ØE	L
1/2"	9.4	25.2	34	79	61
3/4"	15.75	25.2	34	79	61
1.0"	22.1	50.5	33	79	61
1.5"	34.8	50.5	33	85	64.3
2.0"	47.5	64	35	105	74.3
2.5"	60.2	77.5	35	112	77.6
3.0"	72.2	91	38	125	84.8
4.0"	97.6	119	38	157	101.75
6.0"	146.86	166.87	70	216.5	132.5

YH Full Forged Butterfly Valves

Male End



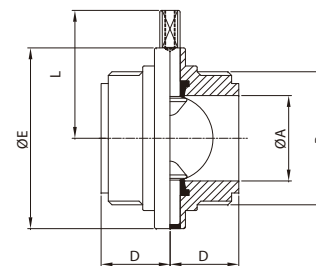
SMS MALE BUTTERFLY VALVE

SIZE	ØA	C	D	ØE	L
DN25	22.5	RD40x1/6	34	79	61
DN38	35.4	RD60x1/6	38	85	64.3
DN50	48	RD70x1/6	40	105	74.3
DN63	60.2	RD85x1/6	40	112	77.6
DN76	72.1	RD98x1/6	41	125	84.8
DN100	97.6	RD125x1/4	50	157	101.75
DN100	100	RD125x1/4	50	157	101.75



YH Range of Butterfly Valve

Male End

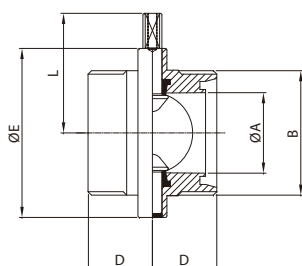


IDF MALE/MALE BUTTERFLY VALVE

SIZE	ØA	B	D	ØE	L
1.0"	22.4	37.13x8T ACME	34	79	61
1.5"	35.1	50.65x8T ACME	38	85	64.3
2.0"	47.8	64.16x8T ACME	40	105	74.3
2.5"	60.5	77.76x8T ACME	40	112	77.6
3.0"	72.1	91.19x8T ACME	41	125	84.8
4.0"	97.6	125.9x6T ACME	44	157	101.75



Male End

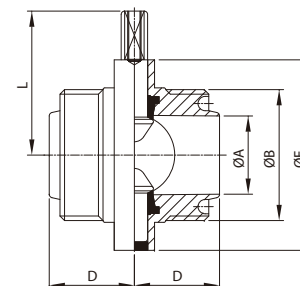


DIN MALE BUTTERFLY VALVE

SIZE	ØA	B	D	ØE	L
DN25	26	RD52*1/6	34	79	61
DN32	32	RD58*1/6	38	85	64.3
DN40	38	RD65*1/6	38	90	66.7
DN50	50	RD78*1/6	40	105	77.6
DN65	66	RD95*1/6	41	125	84.8
DN80	81	RD110*1/4	42	137	91.6
DN101.6	99	RD130*1/4	50	157	101.75
DN104	100	RD130*1/4	50	157	101.75



Male End



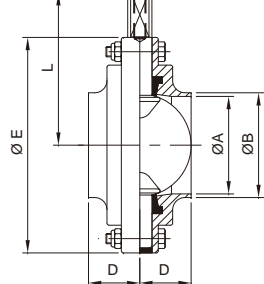
RJT MALE/MALE BUTTERFLY VALVE

SIZE	ØA	B	D	ØE	L
1.0"	22.2	45.72x8T WHIT	34	79	61
1.5"	34.82	58.42x8T WHIT	38	85	64.3
2.0"	47.52	72.72x6T WHIT	40	105	74.3
2.5"	60.2	85.42x6T WHIT	40	112	77.6
3.0"	72.9	98.12x6T WHIT	41	125	84.8
4.0"	97.69	123.52x6T WHIT	50	157	101.75



YH Full Forged Butterfly Valve

YH G TYPE



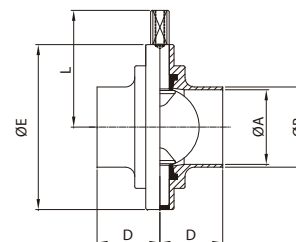
DIN WELD/WELD BUTTERFLY VALVE

SIZE	ØA	ØB	D	ØE	L
DN25	26	29	20	79	61
DN32	32	35	21	85	64.3
DN40	38	41	25	90	66.7
DN50	50	53	25	105	77.6
DN65	66	70	25	125	84.8
DN80	81	85	30	137	91.6
DN100	100	104	32	157	101.75



YH Wine Macon Butterfly Valve

Macon Butterfly Valve

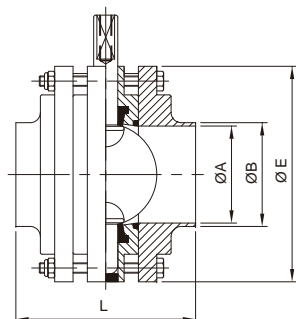


WINE WELD/WELD BUTTERFLY VALVE

SIZE	ØA	ØB	D	ØE	L
DN40/43	40	43	37	90	61
DN50/53	50	53	40	105	64.3
DN60/63	60	63	40	112	74.3
DN70/73	70	73	41	125	77.6
DN80/83	80	83	40	137	84.8
DN100/103	100	103	44	157	101.6



3 Piece G Type Butterfly Valves

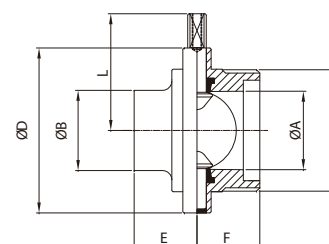


DIN WELD BUTTERFLY VALVE

SIZE	ØA	ØB	ØE	L
DN25	26	29	79	89
DN32	32	35	85	89
DN40	38	41	90	98.2
DN50	50	53	105	98.2
DN65	66	70	125	98.2
DN80	81	85	137	134.2
DN100	100	104	157	134.2



Macon Butterfly Valve



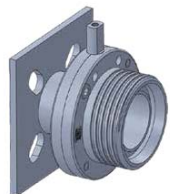
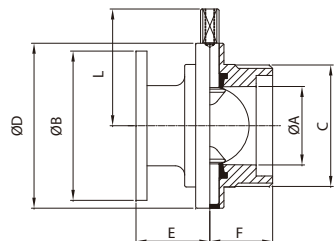
WINE WELD/MALE BUTTERFLY VALVE

SIZE	ØA	ØB	C	ØD	E	F	L
DN40/43	40	43	M55x3	90	37	37	61
DN50/53	50	53	M67x3	105	40	40	64.3
DN60/63	60	63	M79x3.5	112	40	40	74.3
DN70/73	70	73	M90x3.5	125	41	41	77.6
DN80/83	80	83	M102x4	137	40	40	84.8
DN100/103	100	103	M125x4	157	44	45	101.6



YH Wine Macon Butterfly Valve

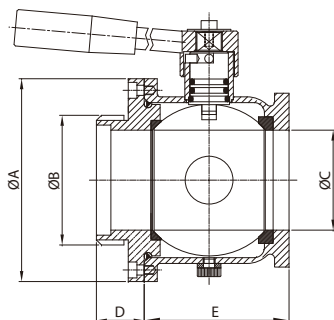
Macon Butterfly Valve



WINE MALE/FLANGE BUTTERFLY VALVE

SIZE	ØA	ØB	C	ØD	E	F	L
DN40/43	40	100	M55x3	90	45	37	61
DN50/53	50	100	M67x3	105	48	40	64.3
DN60/63	60	120	M79x3.5	112	50	40	74.3
DN70/73	70	120	M90x3.5	125	51	41	77.6
DN80/83	80	140	M102x4	137	50	40	84.3
DN100/103	100	140	M125x4	157	55	44	101.6

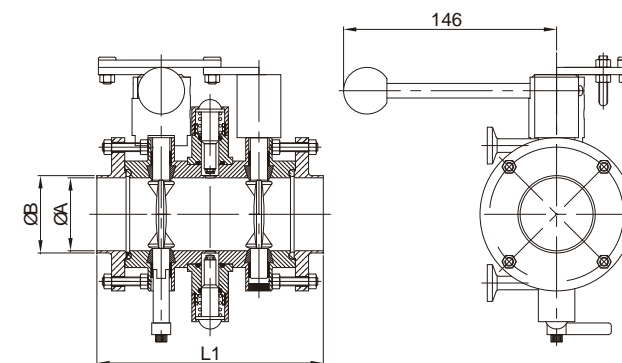
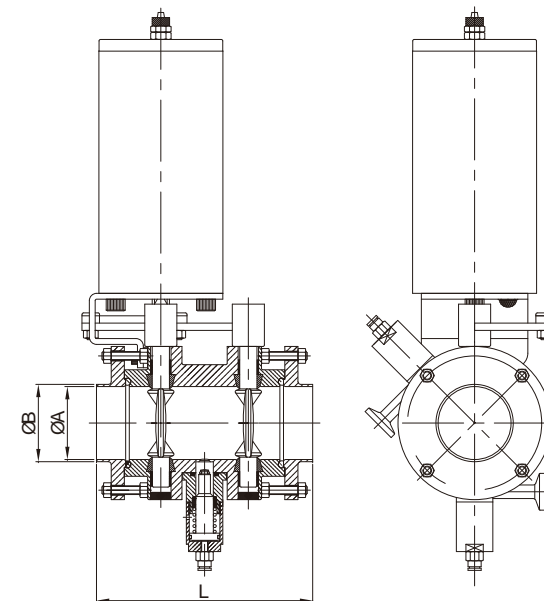
YH Wine Ball Valve



WINE MALE/FLANGE BALL VALVE

SIZE	ØA	ØB	ØC	D	E
DN43	94	M55x3	40	32.6	72
DN53	105	M67x3	50	33	79
DN73	140	M90x3.5	69	33	100

Mix-Proof Butterfly Valve Series



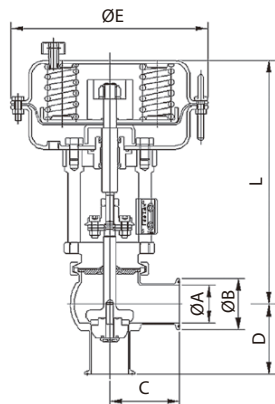
DIN

SIZE	ØA	ØB	L	L1
DN40	37	40	143	150
DN50	49	52	148	155
DN65	66	70	160	167
DN80	81	85	176	183
DN100	100	104	200	207

Imperial

SIZE	ØA	ØB	L	L1
1.5"	34.8	38.1	143	150
2.0"	47.5	50.8	148	155
2.5"	60.2	63.5	160	167
3.0"	72.9	76.2	176	183
4.0"	97.4	101.6	200	207

YH Manual and Auto Control Modulating Valve



PNEUMATIC MODULATING VALVE TYPE L

SIZE	ØA	ØB	C	D	ØE	L
1.0"	22.1	50.5	58.5	50.6	250	489
1.5"	34.8	50.5	81.2	61	300	557
2.0"	47.5	64	85.7	65.4	300	564
2.5"	60.2	77.5	103.1	72.1	300	580
3.0"	72.9	91	116.4	79.7	350	651

Size Range : From DN25 (1") to DN100 (4")

Leakage standard : PTFE material soft seats meet FDA.

Travel : 20mm for DN25 (1") to DN50 (2"), 30mm for DN65 (2-1/2") to DN100 (4")

Surface finish : 0.4µm for Internal : 0.8µm for external

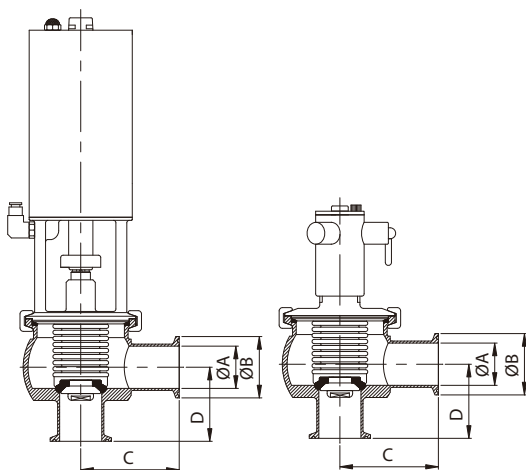
Actuator : Stainless steel diaphragm actuator cases make resist to get rusty out door, and accept polish finish optional case.

Support air supply fail to open and close.

Connection : Clamp connections accord to ISO 2852.

Quick Change Trim : Each size has 2 to 4 flow capacity plug chokes, and allows to quickly change the plug. Easy to maintenance.

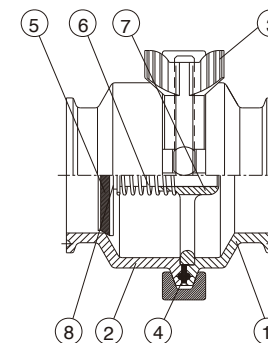
Pneumatic and Manual Control Bellow Valves



BELLOW STERILE VALVES

SIZE	ØA	ØB	C	D
1.0"	22.1	50.5	58.5	50.6
1.5"	34.8	50.5	81.2	61
2.0"	47.5	64	85.7	65.4

YH Non Return Valve (Check Valve)



NO.	NAME
1	Short Body
2	Long Body
3	Clamp
4	13PG
5	Seal-Ring
6	ST.ST Spring
7	Flow Support Plate
8	Disc

YH Check Valve :

Materials

Steel parts : Stainless steel SS316(L)

Seal rings : EPDM Rubber or Silicone/Viton (FKM)

Finish : OD ≤ 0.8 , ID ≤ 0.8 or 0.4µm

Connections

The valve is available with welding ends for tubing according to 3A, SMS, BS, DIN

Technical data

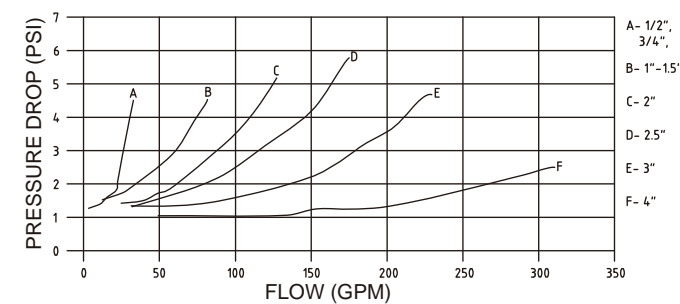
Required different pressure for opening the valve fitted in a vertical pipe, as shown in fig.3, the working pressure Max. product pressure : 1000kpa(10bar)

Material grades

Gasket-Body: EPDM/Silicone/FKM/NBR/PTFE

Flow Area-EPDM/Silicone/FKM/NBR

SPRING CHECK VALVE flow rate (fig 3)

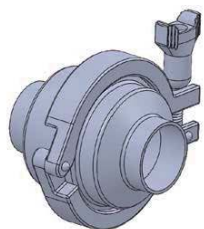
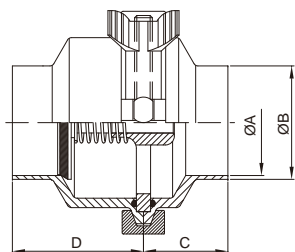


Open pressure (PSI)

1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"
0.5	0.5	3.0	1.6	0.6	1.3	0.8	0.9

Open Pressure (fig. 1)

YH Non-Return Valve



CHECK VALVE MIDDLE CLAMP TYPE/WELD END

3A/BS	ØA	ØB	C	D
1/2"	9.4	12.7	23	34
3/4"	15.75	19.05	23	34
1.0"	22.1	25.4	38	59
1.5"	34.8	38.1	38	59
2.0"	47.5	50.8	38	59
2.5"	60.2	63.5	38	59
3.0"	72.9	76.2	38	59
4.0"	97.6	101.6	44	50

SMS	ØA	ØB	C	D
DN25	22.5	25	38	59
DN38	35.4	38	38	59
DN50	48	51	38	59
DN63	60.3	63.5	38	59
DN76	72.1	76	38	59

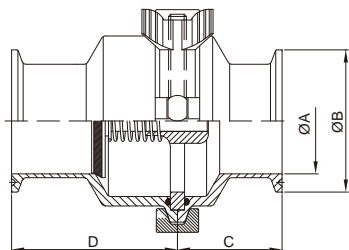
DIN	ØA	ØB	C	D
DN25	25	28	38	59
DN32	31	34	38	59
DN40	37	40	38	59
DN50	49	52	38	59
DN65	66	70	38	59

CHECK VALVE MIDDLE CLAMP TYPE/CLAMP END

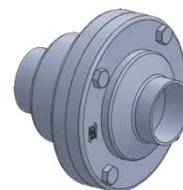
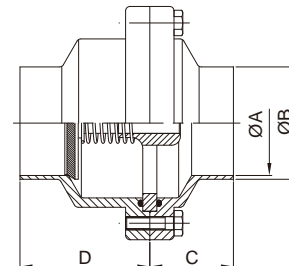
3A/BS	ØA	ØB	C	D
1/2"	9.4	25.2	28.5	39.5
3/4"	15.75	25.2	28.5	39.5
1.0"	22.1	50.5	42	59
1.5"	34.8	50.5	42	59
2.0"	47.5	64	42	59
2.5"	60.2	77.5	42	59
3.0"	72.9	91	42	59

SMS	ØA	ØB	C	D
DN25	22.5	50.5	42	59
DN38	35.4	50.5	42	59
DN50	48	64	42	59
DN63	60.3	77.5	42	59
DN76	72.1	91	42	59

DIN	ØA	ØB	C	D
DN25	25	50.5	42	59
DN32	31	50.5	42	59
DN40	37	50.5	42	59
DN50	49	64	42	59
DN65	66	91	42	59
DN80	81	106	42	59



YH Non-Return Valve



CHECK VALVE MIDDLE FLANGE TYPE/WELD END

3A/BS	ØA	ØB	C	D
1/2"	9.4	12.7	23	34
3/4"	15.75	19.05	23	34
1.0"	22.1	25.4	38	59
1.5"	34.8	38.1	38	59
2.0"	47.5	50.8	38	59
2.5"	60.2	63.5	38	59
3.0"	72.9	76.2	38	59
4.0"	97.6	101.6	44	50

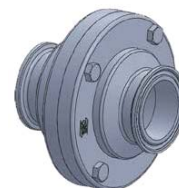
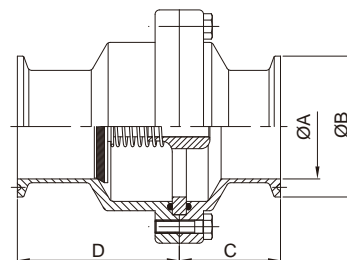
SMS	ØA	ØB	C	D
DN25	22.5	25	38	59
DN38	35.4	38	38	59
DN50	48	51	38	59
DN63	60.3	63.5	38	59
DN76	72.1	76	38	59

DIN	ØA	ØB	C	D
DN25	25	28	38	59
DN32	31	34	38	59
DN40	37	40	38	59
DN50	49	52	38	59
DN65	66	70	38	59
DN80	81	85	38	59

CHECK VALVE MIDDLE FLANGE TYPE/CLAMP END

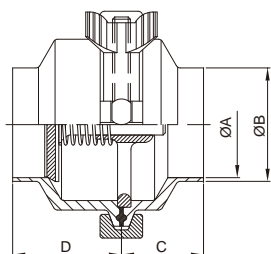
3A/BS	ØA	ØB	C	D
1/2"	9.4	25.2	28.5	39.5
3/4"	15.75	25.2	28.5	39.5
1.0"	22.1	50.5	42	59
1.5"	34.8	50.5	42	59
2.0"	47.5	64	42	59
2.5"	60.2	77.5	42	59
3.0"	72.9	91	42	59
4.0"	97.6	119	56.7	62.6

SMS	ØA	ØB	C	D
DN25	22.5	50.5	42	59
DN38	35.4	50.5	42	59
DN50	48	64	42	59
DN63	60.3	77.5	42	59
DN76	72.1	91	42	59



YH Non-Return Valve

PG TYPE



CHECK VALVE MIDDLE CLAMP TYPE/WELD END

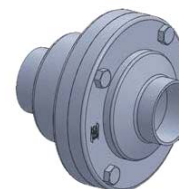
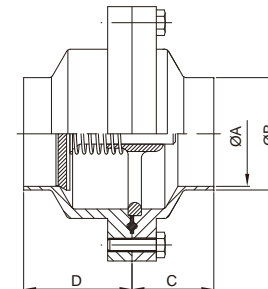
3A/BS	ØA	ØB	C	D
1/2"	9.4	12.7	24	34
3/4"	15.75	19.05	24	34
1.0"	22.1	25.4	34	48
1.5"	34.8	38.1	36	48
2.0"	47.5	50.8	36	48
2.5"	60.2	63.5	36	48
3.0"	72.9	76.2	36	48
4.0"	97.6	101.6	47	54

SMS	ØA	ØB	C	D
DN25	22.5	25	34	48
DN38	35.5	38	36	48
DN50	48.5	51	36	48
DN63	60.3	63.5	36	48
DN76	72.1	76.1	36	48
DN100	100	104	47	54

DIN	ØA	ØB	C	D
DN25	25	28	24	34
DN32	31	34	24	34
DN40	37	40	34	48
DN50	49	52	36	48
DN65	66	70	36	48
DN80	81	85	36	48
DN100	100	104	47	54

YH Non-Return Valve

PG TYPE



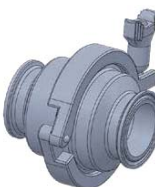
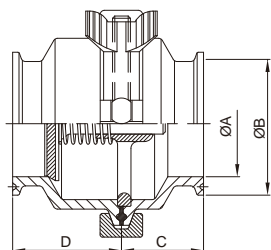
CHECK VALVE MIDDLE FLANGE TYPE/WELD END

3A/BS	ØA	ØB	C	D
1.0"	22.1	25.4	34	48
1.5"	34.8	38.1	36	48
2.0"	47.5	50.8	36	48
2.5"	60.2	63.5	36	48
3.0"	72.9	76.2	36	48
4.0"	97.6	101.6	47	54

SMS	ØA	ØB	C	D
DN25	22.5	25	34	48
DN38	35.5	38	36	48
DN50	48.5	51	36	48
DN63	60.3	63.5	36	48
DN76	72.1	76.1	36	48
DN100	100	104	47	54

DIN	ØA	ØB	C	D
DN25	25	28	34	48
DN32	31	34	36	48
DN40	37	40	36	48
DN50	49	52	36	48
DN65	66	70	36	48
DN80	81	85	36	48

PG TYPE



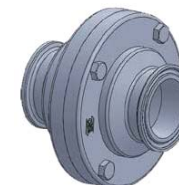
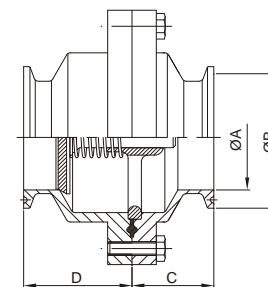
CHECK VALVE MIDDLE CLAMP TYPE/CLAMP END

3A/BS	ØA	ØB	C	D
1/2"	9.4	25.2	28.5	39.5
3/4"	15.75	25.2	28.5	39.5
1.0"	22.1	50.5	34	48
1.5"	34.8	50.5	36	48
2.0"	47.5	64	36	48
2.5"	60.2	77.5	36	48
3.0"	72.9	91	36	48
4.0"	97.6	119	47	54

SMS	ØA	ØB	C	D
DN25	22.5	50.5	34	48
DN38	35.5	50.5	36	48
DN50	48.5	64	36	48
DN63	60.3	77.5	36	48
DN76	72.1	91	36	48
DN100	100	119	47	54

DIN	ØA	ØB	C	D
DN25	25	50.5	34	48
DN32	31	50.5	36	48
DN40	37	50.5	36	48
DN50	49	64	36	48
DN65	66	91	36	48
DN80	81	106	36	48
DN100	100	119	47	54

PG TYPE



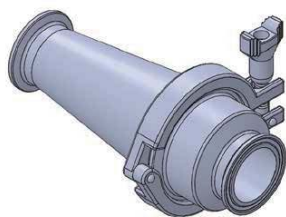
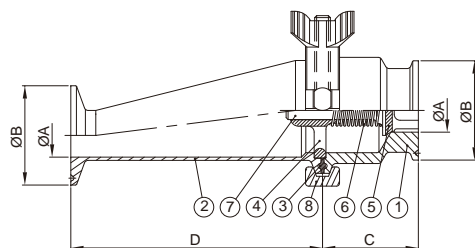
CHECK VALVE MIDDLE FLANGE TYPE/CLAMP END

3A/BS	ØA	ØB	C	D
1.0"	22.1	50.5	34	48
1.5"	34.8	50.5	36	48
2.0"	47.5	64	36	48
2.5"	60.2	77.5	36	48
3.0"	72.9	91	36	48
4.0"	97.6	119	47	54

SMS	ØA	ØB	C	D
DN25	22.5	50.5	34	48
DN38	35.5	50.5	36	48
DN50	48.5	64	36	48
DN63	60.3	77.5	36	48
DN76	72.1	91	36	48
DN100	100	119	47	54

YH Non-Return Valve

LEVEL TYPE

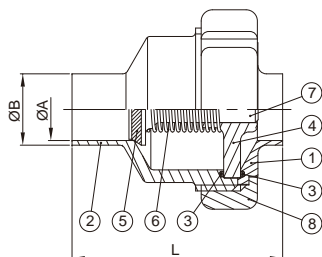


3A ECCENTRIC CHECK VALVE CLAMP END

SIZE	ØA	ØB	C	D
1.0"	22.1	50.5	48	127.3
1.5"	34.8	50.5	48	127.3
2.0"	47.5	64	48	127.3
2.5"	60.2	77.5	48	127.3

NO.	NAME
1	Short body
2	Long body
3	13PG
4	Flow support plate
5	Seal-Ring
6	Spring
7	Disc
8	Clamp

UNION TYPE



3A CHECK VALVE WELD END

SIZE	ØA	ØB	L
1.0"	22.1	25.4	75
1.5"	34.8	38.1	76
2.0"	47.5	50.8	76
2.5"	60.2	63.5	78
3.0"	72.9	76.2	78
4.0"	97.6	101.6	80

NO.	NAME
1	Short body
2	Long body
3	O-Ring
4	Flow support plate
5	Seal-Ring
6	Spring
7	Disc
8	Nut

YH Hygienic Sight Glass

YH Hygienic Sight Glass:

Glass: Clean, High Press Pyrex Glass. Max Work 10 bar.
Can be changeable.

Body: SUS304, 316L Precision Machined Body.
With Width Connection End.3A, DIN, SMS, RJT, IDF
Male/Male.Weld and Female End.

Screw Blot: Full Stainless Steel.

Seal: EPDM, Silicone and FKM.

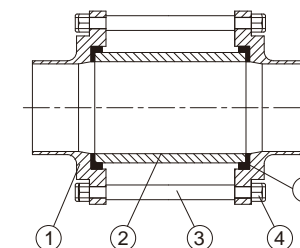
Pyrex Glass data:

Pyrex Borosilicate Glass Composition

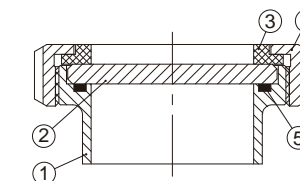
Contect	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	B ₂ O ₃	Na ₂ O	K ₂ O
%	80.9	2.3	0.03	12.7	4.0	0.04

Physical Properties

Young's module	6.4x10 ⁷ kg/cm ³
Poisson's ratio	0.20
Shear modules	2.7x10 ⁵ kg/cm ²
Knoop hardness (100g)	418KHN
Bending strength	4~7x10 ⁵ kg/cm ²
Design stress (Safety factor)	67 kg/cm ²



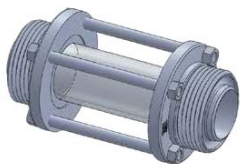
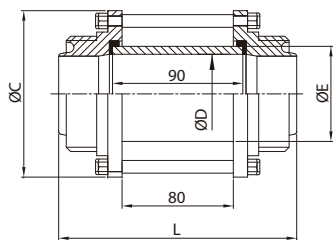
Item	Parts list
1	Body
2	High Pressure Clean Glass
3	Screw Blot
4	Nylon Lock Nut
5	Seal



Item	Parts list
1	Body
2	High Press Clean Glass
3	Teflon Gasket
4	NUT
5	Seal

With weld end only!

YH Hygienic Sight Glass

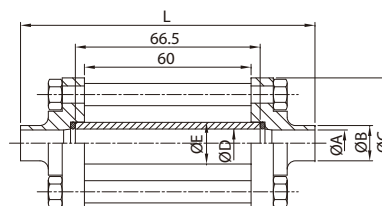


RJT/SMS/DIN/IDF MALE END SIGHT GLASS

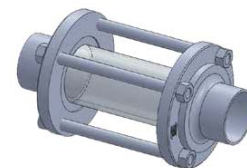
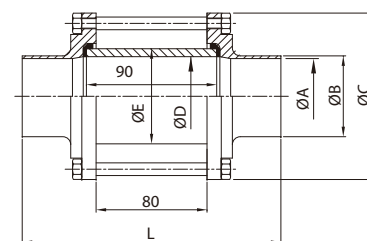
SIZE	ØC	ØD	ØE	L
25	79	26	32	148
38	85	34	40	156
50	105	50	60	160
63	112	65	75	160
76	125	75.4	85	162
100	157	100	110	168

YH Hygienic Sight Glass

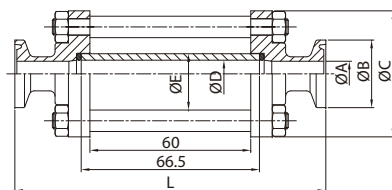
1/2"~3/4"



1"~4"



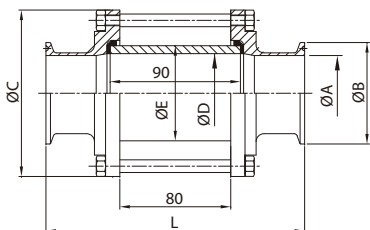
1/2"~3/4"



3A/BS CLAMP END SIGHT GLASS

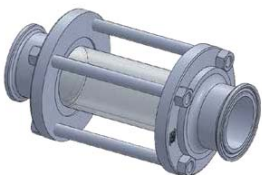
SIZE	ØA	ØB	ØC	ØD	ØE	L
1/2"	9.4	25.2	47	10.2	15	116
3/4"	15.75	25.2	47	17	22	116
1.0"	22.1	50.5	79	26	32	143
1.5"	34.8	50.5	85	34	40	146
2.0"	47.5	64	105	50	60	150
2.5"	60.2	77.5	112	65	75	150
3.0"	72.9	91	125	75.4	85	156
4.0"	97.6	119	157	100	110	156

1"~4"



SMS CLAMP END SIGHT GLASS

SIZE	ØA	ØB	ØC	ØD	ØE	L
DN25	22.5	50.5	79	26	32	143
DN38	35.4	50.5	85	34	40	146
DN50	48	64	105	50	60	150
DN63	60.2	77.5	112	65	75	150
DN76	72	91	125	75.4	85	156
DN100	100	119	157	100	110	156



3A/BS WELD END SIGHT GLASS

SIZE	ØA	ØB	ØC	ØD	ØE	L
1/2"	9.4	12.7	47	10.2	15	106
3/4"	15.75	19.05	47	17	22	106
1.0"	22.1	25.4	79	26	32	148
1.5"	34.8	38.1	85	34	40	156
2.0"	47.5	50.8	105	50	60	160
2.5"	60.2	63.5	112	65	75	160
3.0"	72.9	76.2	125	75.4	85	162
4.0"	97.6	101.6	157	100	110	167

SMS WELD END SIGHT GLASS

SIZE	ØA	ØB	ØC	ØD	ØE	L
DN25	22.5	25	79	26	32	148
DN38	35.4	38	85	34	40	156
DN50	48	51	105	50	60	160
DN63	60.2	63.5	112	65	75	160
DN76	72	76	125	75.4	85	162
DN100	100	104	157	100	110	168

DIN WELD END SIGHT GLASS

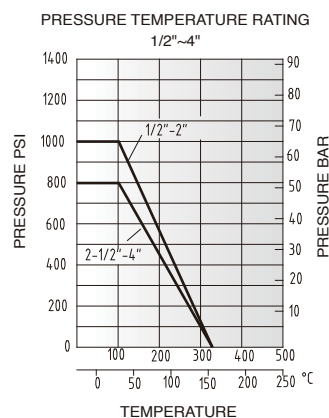
SIZE	ØA	ØB	ØC	ØD	E	L
DN25	26	35	63	26	21	37
DN32	32	41	70	32	21	40
DN40	38	48	78	38	21	41
DN50	50	61	92	50	22	42.5
DN65	66	79	112	66	25	48.5
DN80	81	93	127	82	29	52.5
DN100	100	114	148	100	31	61.5

SMS WELD END SIGHT GLASS

SIZE	ØA	ØB	ØC	ØD	E	L
DN25	22.5	25	51	22.5	19	34
DN38	35.5	38	74	35.5	23	40
DN50	48.5	51	84	48.5	24	42
DN63	60.5	63.5	100	60.5	28	46
DN76	72.9	76.1	114	72.9	30	47
DN100	100	105	138	100	31	49



Sanitary-Ball Valve For Food Chemical, and Vacuum use. With ISO Mount Plate Weld/Male End

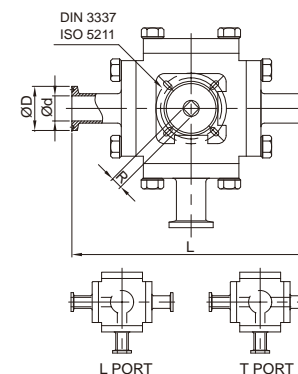
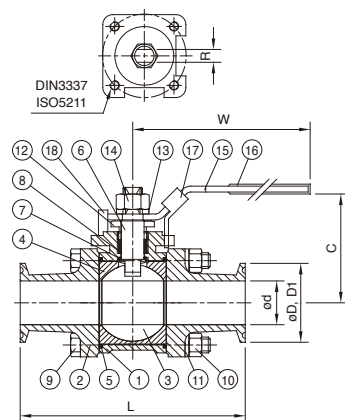


Long End

- Other SMS. DIN. RJT. IDF
Male/Male can be required.

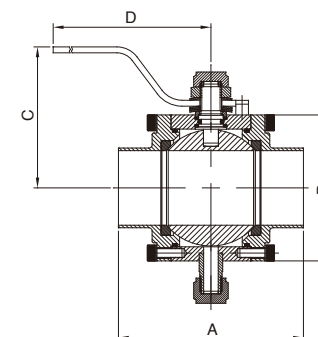
SIZE	1/2"	3/4"	1"	1.5"	2"	2.5"	3"	4"
	DN15	DN20	DN25	DN40	DN50	DN65	DN80	DN100
ISO-5211	F03	F04	F04	F05	F05	F07	F07	F10
C	58.3	62.9	68	87	95	127	136	159
ød	9.4	15.75	22.1	34.8	47.5	60.2	72.9	97.4
øD	25.2	25.2	50.5	50.5	64	77.5	91	119
øD1	12.7	19.05	25.4	38.1	50.8	63.5	76.2	101.6
L	89	101	114	140	156	197	229	243
R	5	5	6.5	8.5	8.5	12	12	16
W	130	130	166.7	194.3	194.3	252	252	333
L1	135	135	165	165	190	205	265	306

Parts List		
Item	Part Name	Material
1	Body	ASTM-A743-CF8M
2	Cap	ASTM-A743-CF8M
3	Ball	A351-CF8M
4	Seat	PTFE
5	Gasket	PTFE
6	Stem	SUS316
7	Thrust washer	PTFE
8	Stem packing	PTFE
9	Bolt	SUS304
10	Hex nut	SUS304
11	Bolt washer	SUS304
12	Gland	SUS304
13	Washer	SUS304
14	Nut	SUS304
15	Handle	SUS304
16	Plastic cover	Plastic



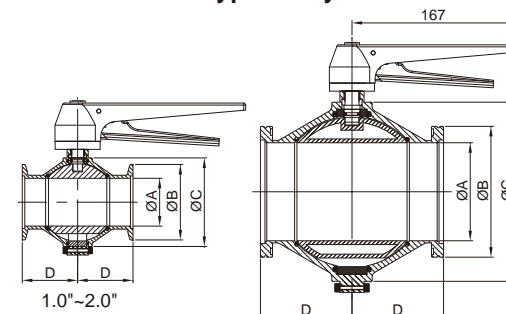
SIZE		ISO-5211	ød	øD	L	R
1/2"	DN15	F03	9.5	25.4	118	9
3/4"	DN20	F03	15.8	25.4	127	9
1.0"	DN25	F04	22.2	50.4	152.6	11
1.5"	DN40	F05	35	50.4	175	14
2.0"	DN50	F05	47.6	63.9	190	14
2.5"	DN65	F07	60.2	77.5	228	17
3.0"	DN80	F10	73	90.9	260.6	22
4.0"	DN100	F10	97.4	118.9	290	22

HIGH PURITY BALL VALVE - Filled Cavity PTFE Seat, or Half Cavity Seat



SIZE	A	B	C	D
1.0"	95.3	58.7	60.3	163.5
1.5"	108	77.8	71.4	163.5
2.0"	119	93.7	79.4	163.5
2.5"	135	106.4	85.7	163.5
3.0"	165.1	125.4	95.3	163.5

Vacuum BFV Type Purity Ball Valve

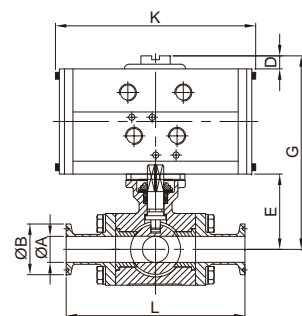
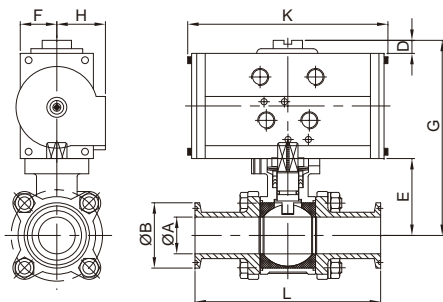


SIZE	ØA	ØB	ØC	D
1.0"	22.1	40	100	45
1.5"	34.8	55	105	55
2.0"	47.5	75	105	55
2.5"	60.2	95	145	65
3.0"	72.9	110	159	79

Sanitary-ball Valve For Food And Chemical Use With ISO Mount Plate Weld/male End

Actuator can be installed on YH 2 way or 3 way low & high ISO 5211 mount plate.(An additional bracket is needed in cases of low plate ball valves)

Material:ASTM-CF8M A351 (316)
Seat:PTFE/PTFE+15% Gass Fiber.



HIGH MOUNT PLATE DESIGN

VDA/VSR	DN	D	F	G	H	K
C-125	15	20	28.5	121	33.7	120
C-125	20	20	28.5	131	33.7	120
C-250	25	20	33.6	156.2	47.8	144.3
C-450	40	20	43.5	196.2	51.5	149.2
C-1000	50	20	54.5	227.2	64.5	183
C-1000	65	20	54.5	250.2	64.5	183
C-2250	80	20	65	278.7	75.5	259.6
C-2250	100	20	65	302.2	75.5	259.6

BALL VALVE / SERIES 26							
SIZE		ISO-5211	øA	øB	E	L	TORQUE (LBS INCH)
1/2"	DN15	F03/F04	9.4	25.2	38.2	89	90
3/4"	DN20	F03/F04	15.75	25.2	47.5	101	100
1"	DN25	F04/F05	22.1	50.5	57	114	140
1.5"	DN40	F05/F07	34.8	50.5	78.55	140	240
2"	DN50	F05/F07	47.5	64	86.5	156	480
2.5"	DN65	F07/F10	60.3	77.5	109.2	197	650
3"	DN80	F07/F10	73	91	116.2	229	1150
4"	DN100	F10/F12	97.4	119	133.5	241	1400

VDA/VSR	DN	D	F	G	H	K
C-125	15	20	28.5	121	33.7	120
C-125	20	20	28.5	131	33.7	120
C-250	25	20	33.6	156.2	47.8	144.3
C-450	40	20	43.5	196.2	51.5	149.2
C-1000	50	20	54.5	227.2	64.5	183
C-1000	65	20	54.5	250.2	64.5	183
C-2250	80	20	65	278.7	75.5	259.6
C-2250	100	20	65	302.2	75.5	259.6

BALL VALVE / SERIES 26							
SIZE	ISO-5211	øA	øB	E	L	TORQUE LBS/INCH	
1/2"	DN15	F03	9.5	25.2	41	118	79
3/4"	DN20	F03	15.8	25.2	47.5	127	85
1"	DN25	F04	22.2	50.5	57	152.6	110
1.5"	DN40	F05	35	50.5	71.5	175	290
2"	DN50	F05	47.6	64	79.8	190	425
2.5"	DN65	F07	60.2	77.5	97.5	228	1085
3"	DN80	F07	73	91	120.5	260.6	1597
4"	DN100	F10	97.4	119	125.5	290	1780

YH CHEMICAL Ball VALVE & CHEMICAL UNIONS



Ball Valve

- 1PC- 800WOG Ball valve NPT, PF, BSPT thread end, PTFE/PTFE+15% glass fiber seat.
 - 2PC- full port reduction port WOG 1,000psi Ball valve, with lock design and ISO 5211 mount plate can be specified.
Flange end: PN 10/16 , JIS 5/10 K
Seat: PTFE/PTFE+15% G.F
 - 3PC- full port-WOG 1,000psi with lock design and ISO5211 mount plate can be specified.
Flange end: PN 10/16 , JIS 5/10 K
Seat: PTFE/PTFE+15% G.F
- Design tested to $\leq 97/23/EC$ ART 3 § 3 $\leq DN25$, and table 6 D1 standard.
ISO5211 mount plate and special design can be specified.



Chemical Unions

YH makes a full range of lost wax cast 150psi, screw fittings.
We also offer high class chemical screw fittings, unions and nipples....with solid bar, hex bar, pipe and precision CNC finished surface.
Welcome: OEM, ODM, services.



Ball for Valve

Joint YH the abilities of the casting, CNC machining, welding, hydraulic pressure, polishing, multi-surface finished,YH offer not only OEM parts, but also for parts of products, such as the BALL for ball valve.

Material: Stainless steel 304 / 316 / 316L

2WAY & 3WAY Plug Valves

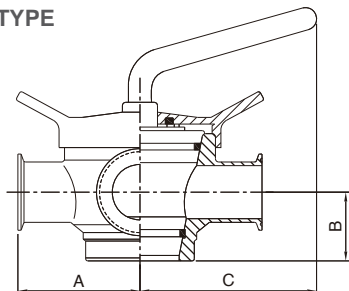
Plug Cock Valve are excellent hygienic design. Base on Taper and not any gasket in flow port. So, big popular use on the Milk industry. YH Plug Cock combinec European and USA design, using pure materials and excellent processing technology.

Material Plug- SS304 or SS316L with hard / thick chrome coation for long-term kecyling and easy clean maintenance

Connect - Weld, Clamp and Male End.

Max. Work pressure - 3 Bars~10 Bars.

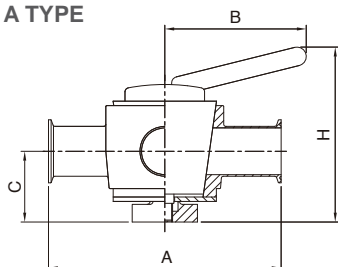
E TYPE



2WAY & 3WAY-PLUG VALVE for Weld/- Male/Female/Clamp

SIZE (Tube O.D)	Weld A	Male A	Clamp A	B	C
DN25 - 1"	66.3	95.3	94.9	26	139.19
DN40 - 1.5"	85.1	118.1	113.7	35	139.19
DN50 - 2"	114.2	149.2	142.8	45	143.01
DN65 - 2.5"	132.0	172.0	160.6	55	143.69
DN80 - 3"	168.6	213.6	197.2	70	143.81
DN100 - 4"	206.3	260.3	234.9	75	174.21

A TYPE

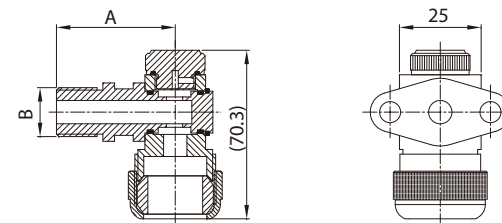


2WAY & 3WAY-PLUG VALVE for Weld/- Male/Female/Clamp

SIZE (Tube O.D)	Weld A	Clamp A	B	C	H
1"	184.2	115.9	117.0	58.3	128.4
1.5"	198.4	147.6	142.7	61.0	164.4
2"	223.8	173.0	144.2	72.4	178.0
2.5"	260.4	209.6	150.6	86.2	223.4
3"	290.5	239.7	180.7	90.6	241.4

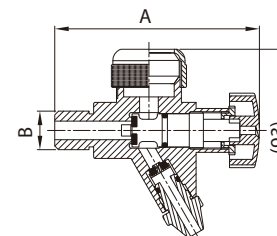
YH Sample Cock Valve

Upper Valve



Type	A	B
16AMP	51	ø50.5
Ferrule	66.4	ø50.5
Male	51	1/2"-PF
Flange	52.6	60x29

Level Valve



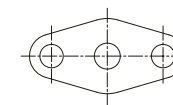
Type	A	B
16AMP	81.8	ø50.5
Ferrule	95.2	ø50.5
Male	109	1/2"-PF
Flange	81.5	60x29

Connecting End

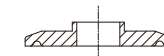
(1) PF Thread End



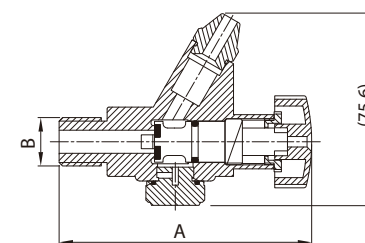
(2) Welding Flange End



(2) Welding Ferrule End



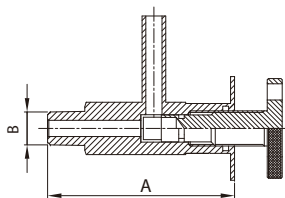
Test Valve



Type	A	B
16AMP	81.8	ø50.5
Ferrule	95.33	ø50.5
Male	109	1/2"-PF
Flange	81.5	60x29

YH Sample Cock Valve

A Type



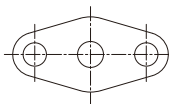
Type	A	B
16AMP	66.4	ø50.5
Ferrule	79.9	ø50.5
Male	75	1/4 NPT 3/8 NPT 1/2 NPT
Flange	81.5	60x29

Connecting End

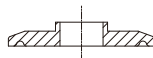
(1) PF Thread End



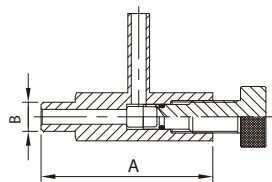
(2) Welding Flange End



(2) Welding Ferrule End

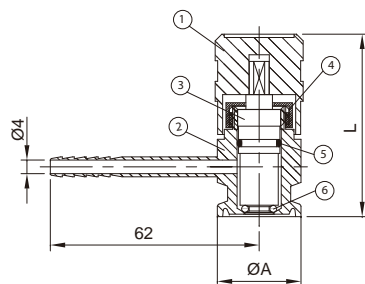


B Type



Type	A	B
16AMP	(82)	ø50.5/ø64
Ferrule	(90.6)	ø25
Male	(91.9)	1/4 NPT 3/8 NPT 1/2 NPT

C Type

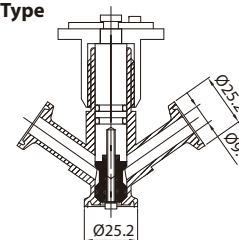


Item	PART NAME	Q'TY	MATERIAL
1	Rotating Nut	1	POM
2	Body	1	SUS304/316(L)
3	Flow support	1	SUS304/316(L)
4	Locknut	1	SUS304/316(L)
5	O-Ring	1	EPDM
6	O-Ring	1	EPDM

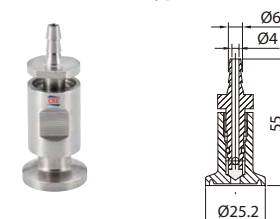
SIZE	ØA	L
1/2"	25.2	70
1"	50.5	70

YH Sample Cock Valve

D Type

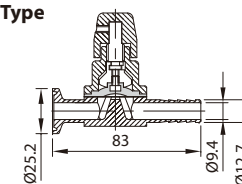


F Type

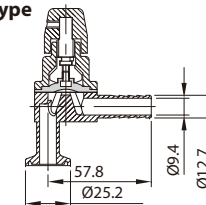


YH Diaphragm Sample Valve

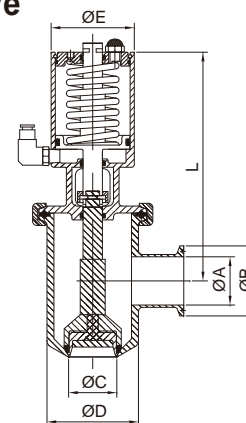
I Type



L Type

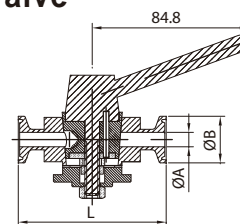


YH Filling Valve



SIZE	ØA	ØB	ØC	ØD	ØE	L
1"x1"	22.1	50.5	22.1	55	60	165
1"x1.5"	34.8	50.5	22.1	55	60	165
1"x2"	47.5	64	22.1	66	85	292
1.5"x1.5"	34.8	50.5	34.8	66	60	165
1.5"x2"	47.5	64	34.8	66	85	292

YH Four-way Valve



SIZE	ØA	ØB	L
3/8"	7.8	25.2	80
1/2"	9.4	25.2	80
3/4"	15.8	25.2	80

YH Hygienic Sample Valve for BPE

DA Type

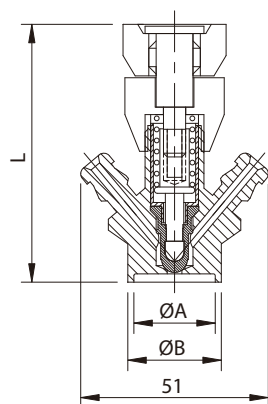
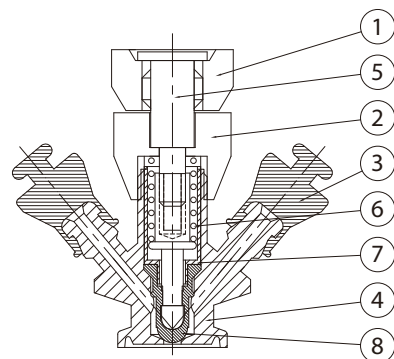
DB Type

Materials:

- Flow area: AISI 316L
- Other steel parts: AISI 316
- Plug stem: AISI 316L
- Gasket for flow area: EPDM/ Silicon/ FKM

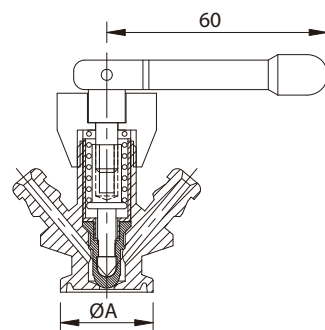
Technical data:

- Temperature range: Full vacuum. -10°C to +140°C(EPDM).



Weld

SIZE	ØA	ØB	L
1/2"	9.4	12.7	71.5
3/4"	15.75	19.05	71.5
1.0"	22.1	25.4	71.5

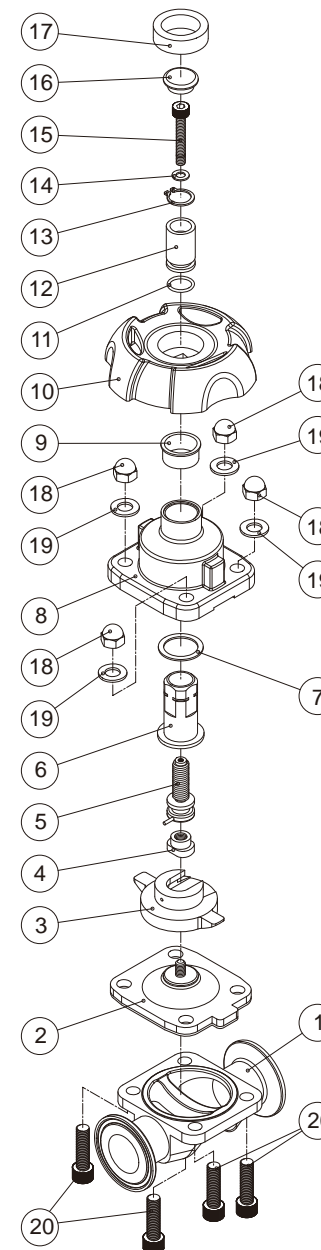


Clamp

SIZE	ØA	L
A3/2"	34	70
1/2"	25.2	70
3/4"	25.2	70
1.0"	50.5	70

Parts List			
Item	Parts name	QTY	Material
1	Rotating Nut	1	SUS304/316(L)
2	Lucknut	1	SUS304/316(L)
3	Seal	1	EPDM
4	Body	1	SUS304/316(L)
5	Flow Supports	1	SUS304/316(L)
6	Spring	1	SUS304/316(L)
7	Bushing	1	SUS304/316(L)
8	Seal	1	EPDM

Pneumatic/Manual Diaphragm Valve 2WAY/Tank Bottom Valve



Parts List			
Item	Parts name	QTY	Material
1	Body	1	SUS316L
2	Seal	1	EPDM+PTFE
3	Seat	1	SUS304
4	Screw	1	SUS304
5	Blot	1	SUS304
6	Blot sleeve	1	SUS304
7	Seal	1	PTFE
8	Bonnet	1	SUS304
9	sleeve	1	PEEK
10	Handwheel	1	EPDM+PTFE
11	O-Ring	1	NBR
12	Positioning index	1	MC(Blue)
13	Circlip	1	SUS304
14	Washer	1	SUS304
15	Screw	1	SUS304
16	Cover	1	MC(Blue)
17	CAP	1	EPDM+PTFE
18	Nut	4	SUS304
19	Washer	4	SUS304
20	Screw	4	SUS304

Material:

- Body: Forged/316L
- Diaphragm: EPDM+PTFE/NC or NO
- The seal of Diaphragm is exchangeable with GEMU

Connection:

- Clamp end/weld end

Body type:

- Direct connection(two way)/equal T/ reducing T/U-point....

Operation:

- Normal open/normal close

Work temp:

- Diaphragm: EPDM+PTFE(-10°C~150°C)

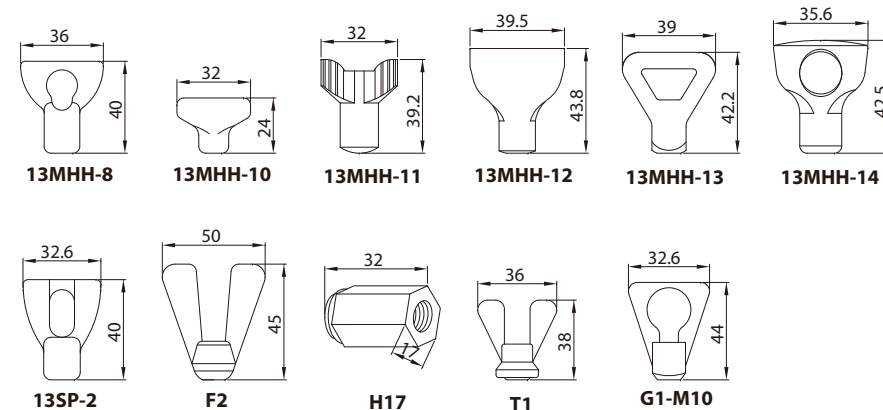
Work pressure:

- Max: 10 Bar

Surface:

- SF1: ID polished to Ra ≤ 0.5μm/ SF4: EP finished to Ra ≤ 0.38μm/ ID/OD mirror polished &

Heavy Duty Clamp-Ring

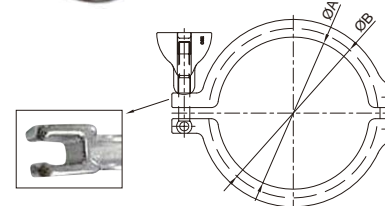


Sanitary Components, Fitting..

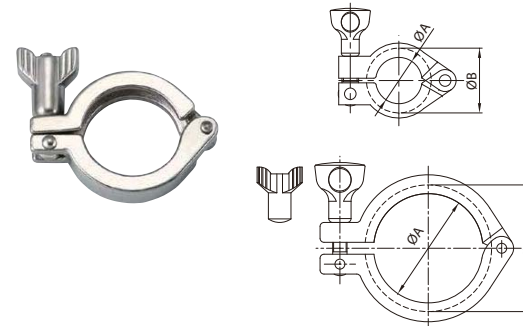


13SC safety clamps

Imperial	ØA	ØB	DN	ØA	ØB
1/2"~3/4"	20.58	28.34	DN10~DN20	27.2	37
1.0"~1.5"	41.02	53.52	DN25~DN40	44.5	54.5
2.0"	54.54	67.04	DN50	57	68
2.5"	68.02	80.52	DN65	84	95
3.0"	81.52	94.02	DN80	99	110
4.0"	109.54	122.04	DN100	112	123
6.0"	157.6	175.1	DN115	123	134
8.0"	207.4	225.9	DN125	144	159
			DN150	172	187
			DN200	222.5	237.5
			DN250	257	272
			DN300	308	323



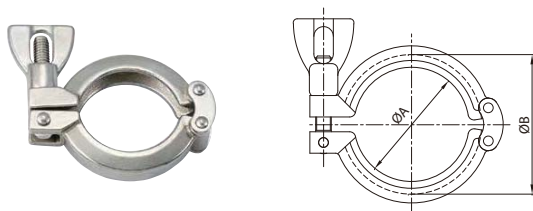
1/2"~3/4"



13MHH HEAVY DUTY SINGLE PIN CLAMP

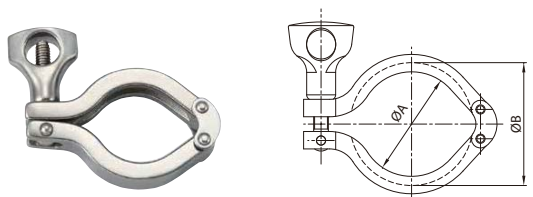
SIZE	ØA	ØB
1/2"~3/4"	21.2	28.2
A37	27.8	37
1"~1.5"	42	53.6
2"	55.4	67
2.5"	69	80.6
3"	82.6	94.2
3.5"	97.6	109.2
4"	110.6	122.2
4.5"	121.6	133.2
6"	156.2	170.4
8"	205.8	220

Heavy Duty Clamp-Ring



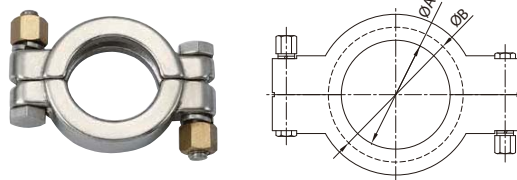
13SF HEAVY DUTY DOUBLE PIN CLAMP

SIZE	ØA	ØB
1/2"~3/4"	20	28
A37	27.5	42.9
1"~1.5"	45	53.6
2"	59	72
2.5"	67	84
3"	85	98
4"	114	127
6"	158	178
8"	210	227
10"	262	278



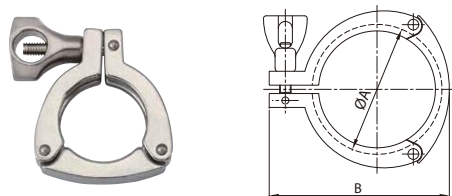
13MHM DOUBLE PIN CLAMP

SIZE	ØA	ØB
1/2"~3/4"	20	28
A37	28	38
1"~1.5"	43.6	53.6
2"	57	67
2.5"	70.6	80.6
3"	84	94
4"	112	122
6"	155	170
8"	205	220.8



**13MHP
HIGH PRESSURE BOLTED CLAMP**

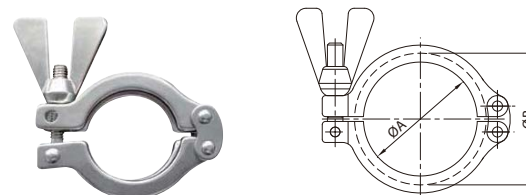
SIZE	ØA	ØB
1/2"~3/4"	20	28
1"~1.5"	43.32	52
2"	56.44	65.5
2.5"	69.54	79
3"	77.56	92.5
4"	108.86	120.5
6"	158	170
6.5"	173	186.2
8"	224	249
10"	258.2	276.8
12"	309	327.6



**13MHHS
3 PIECE CLAMP**

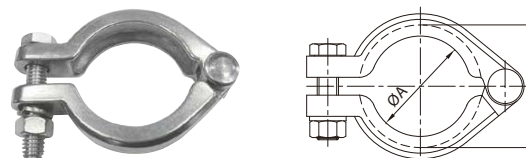
SIZE	ØA	B
1"~1.5"	54	80
2"	67.5	94
2.5"	80.9	109
3"	84.4	126
4"	122.4	154

Heavy Duty Clamp-Ring



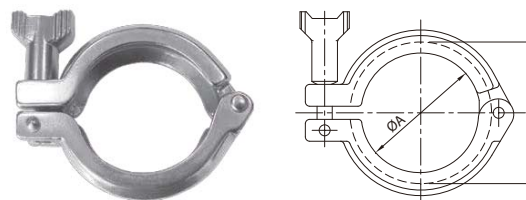
13CS DOUBLE PIN CLAMP

SIZE	ØA	ØB
1/2"~3/4"	20.58	28.34
DN10-20	27.2	37
1.5"	41.02	53.52
DN25-40	44.5	54.5
2.0"	54.54	67.04
DN50	57	68
2.5"	68.02	80.52
3.0"	81.52	94.02
DN65	84	95
DN80	99	110
4.0"	109.54	122.04
DN100	112	123
DN115	123	134
DN125	144	159
6.0"	157.6	175.1
DN150	172	187
8.0"	207.4	225.9
DN200	222.5	237.5
DN250	257	272
DN300	308	323



13IU BOLTED CLAMP

SIZE	ØA	ØB
1"~1.5"	45	55
2.0"	63	73
2.5"	74	89
3.0"	87	102
4.0"	111	128



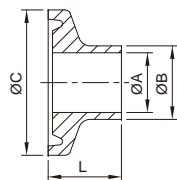
13IS I-LINE CLAMP

SIZE	ØA	ØB
1.0"~1.5"	44.4	53.4
2.0"	60.14	72.2
2.5"	78.62	88.1
3.0"	93.06	102.4
4.0"	118.6	127.8
6.0"	178.3	195.3

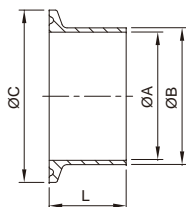
Ferrule Adapter



3A-1/2"~3/4"
SMS-DN15~DN20
DIN-DN6~DN8
DIN(ISO)-DN6~DN10



3A-1.0"~12"
SMS-DN25~DN100
DIN-DN10~DN100
DIN(ISO)-DN15~DN200



DIN(ISO) Ferrule

SIZE	ØA	ØB	ØC	L
DN6	7	10.2	25	12.7
DN8	10.3	13.5	25	12.7
DN10	14	17.2	25	12.7
DN15	18.1	21.3	50.5	21.5
DN20	23.7	26.9	50.5	21.5
DN25	29.7	33.7	50.5	21.5
DN32	38.4	42.4	64	21.5
DN40	44.3	48.3	64	21.5
DN50	56.3	60.3	77.5	28
DN65	72.1	76.1	91	28
DN80	84.3	88.9	106	28
DN100	109.7	114.3	130	28
DN125	134.5	139.7	155	28
DN150	163.1	168.3	183	28
DN200	213.9	219.1	233.5	28

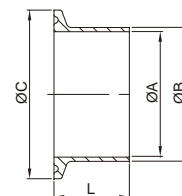
3A/SMS Welding Ferrule

SIZE	14WMP 14MMP			14AMP		
	ØA	ØB	ØC	L	L	L
1/4"	3.9	6.35	25	12.7	21.5	28.6
1/2"	9.4	12.7	25	12.7	21.5	28.6
DN15	9.7	12.7	25.4	12.7	21.5	28.6
3/4"	15.75	19.05	25	12.7	21.5	28.6
DN20	15.95	19.05	25.4	12.7	21.5	28.6
1"	22.1	25.4	50.5	12.7	21.5	28.6
DN25	22.5	25	50.5	12.7	21.5	28.6
1.25"	28.45	31.75	50.5	12.7	21.5	28.6
1.5"	34.8	38.1	50.5	12.7	21.5	28.6
DN38	35.5	38	50.5	12.7	21.5	28.6
2.0"	47.5	50.8	64	12.7	21.5	28.6
DN50	48.5	51	64	12.7	21.5	28.6
2.5"	60.2	63.5	77.5	12.7	21.5	28.6
DN63	60.3	63.5	77.5	12.7	21.5	28.6
DN76	72.9	76.1	91	12.7	21.5	28.6
3.0"	72.9	76.2	91	12.7	21.5	28.6
DN104	100	104	119	15.8	21.5	28.6
4.0"	97.4	101.6	119	15.8	21.5	28.6
5.0"	121.46	127	144.45	15.8	21.5	28.6 or 38.1
6.0"	146.86	152.4	166.87	—	21.5	28.6 or 38.1
8.0"	197.66	203.2	217.67	—	21.5	28.6 or 38.1
10"	247.2	254	268.47	—	21.5	28.6 or 38.1
12"	298	304.8	319.27	—	21.5	28.6 or 38.1

DIN Ferrule

SIZE	DA		DB		ØC	L
	ØA	ØB	ØA	ØB		
DN6	6	8	—	—	25	12.7
DN8	8	10	—	—	25	12.7
DN10	10	13	9	12	34	18
DN15	16	19	15	18	34	18
DN20	20	23	19	22	34	18
DN25	26	29	25	28	50.5	21.5
DN32	32	35	31	34	50.5	21.5
DN40	38	41	37	40	50.5	21.5
DN50	50	53	49	52	64	21.5
DN65	66	70	66	70	91	28
DN80	81	85	81	85	106	28
DN101.6	—	—	97.6	101.6	119	28
DN100	100	104	100	104	119	28
DN125	125	129	125	129	155	28
DN150	150	154	150	154	183	28
DN200	200	204	200	204	233.5	28

Ferrule Adapter



ISO(REP) Ferrule

SIZE	ØA	ØB	ØC1	L
DN8	10.3	13.5	34	28.6
DN10	14	17.2	34	28.6
DN15	18.1	21.3	34	28.6
DN20	23.7	26.9	50.5	28.6
DN25	30.5	33.7	50.5	28.6
DN32	39.2	42.4	50.5	28.6
DN40	45.1	48.3	64	28.6
DN50	56.3	60.3	77.5	28.6
DN65	72.1	76.1	91	28.6
DN80	84.3	88.9	106	28.6
DN100	109.7	114.3	130	28.6
DN125	133.7	139.7	155	28.6
DN150	162.3	168.3	183	28.6
DN200	211.1	219.1	233.5	28.6
DN250	266.3	273.1	233.5	28.6

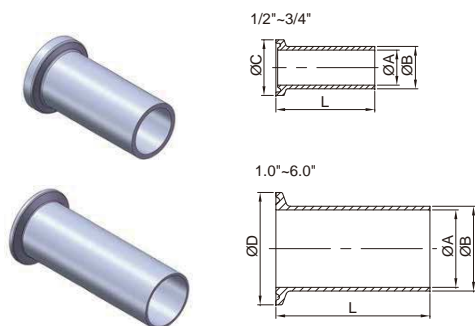
ISO-2852 Ferrule

SIZE	ØA	ØB	ØC	L
25	22.6	25.6	50.5	21.5
33.7	31.3	34.3	50.5	21.5
38	35.6	38.6	50.5	21.5
40	37.6	40.6	64	21.5
51	48.6	51.6	64	21.5
63.5	60.3	64.1	77.5	21.5
70	66.8	70.6	91	21.5
76.1	72.9	76.7	91	21.5
88.9	84.9	89.8	106	21.5
101.6	97.6	102.5	119	21.5
114.3	110.3	115.6	130	28
139.7	135.7	141.2	155	28
168.3	163.1	170	183	28
219.1	213.9	221.2	233.5	28

IDF/JIS Ferrule

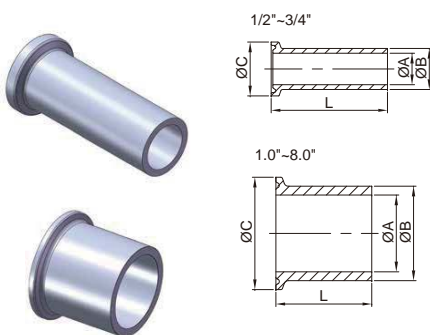
SIZE	ØA	ØB	ØC	L
1.0S	23	25.4	50.5	21.5
1.25S	29.4	31.8	50.5	17
1.5S	35.7	38.1	50.5	21.5
2.0S	47.8	50.8	64	21.5
2.5S	59.5	63.5	77.5	21.5
3.0S	72.3	76.3	91	21.5
3.5S	85.1	89.1	106	21.5
4.0S	97.6	101.6	119	28
4.5S	108.3	114.3	130	28
5.5S	133.8	139.8	165	28
6.5S	159.2	165.2	183	28

Ferrule Adapter



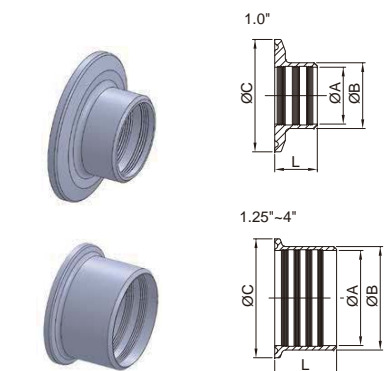
14MPHT

SIZE	ØA	ØB	ØC	L	L
1/2"	9.4	12.7	25	44.45	101.6
3/4"	15.75	19.05	25	44.45	101.6
1.0"	22.1	25.4	50.5	114.3	—
1.5"	34.8	38.1	50.5	114.3	—
2.0"	47.5	50.8	64	114.3	—
2.5"	60.2	63.5	77.5	114.3	—
3.0"	72.9	76.2	91	114.3	—
4.0"	97.4	101.6	119	117.9	—
6.0"	146.86	152.4	166.87	152.4	—



14MPW Heavy Tank Ferrule

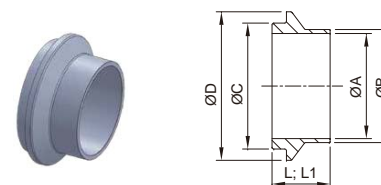
SIZE	ØA	ØB	ØC	L
1/2"	8.15	12.75	25	54
3/4"	14.6	19.05	25	54
1.0"	22.1	29.5	50.5	41.3
1.5"	34.8	42.6	50.5	41.3
2.0"	47.5	55.7	64	44.5
2.5"	60.2	68.8	77.5	44.5
3.0"	72.9	81.9	91	46.1
4.0"	97.4	108.1	119	54
6.0"	146.25	157.3	166.87	63.5
8.0"	197.05	208.1	217.67	63.5



**14RMP
3A-Roll-on ferrule**

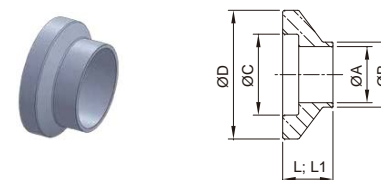
SIZE	ØA	ØB	ØC	L
1.0"	25.4	29.5	50.5	19.1
1.25"	31.75	36.3	50.5	21.5
1.5"	38.1	42.6	50.5	28.6
2.0"	50.8	55.7	64	33.3
2.5"	63.5	68.8	77.5	34.9
3.0"	76.2	81.9	91	36.5
4.0"	101.6	108.1	119	38.1

I-Line Ferrule Adapter



14WI I-Line Ferrule Male

SIZE	ØA	ØB	ØC	ØD	L	L1
1.0"	22.1	25.4	31.5	50.67	19.84	44.65
1.5"	34.8	38.1	44.2	50.67	23.8	51.75
2.0"	47.5	50.8	56.9	67.05	26.19	58.88
2.5"	60.2	63.5	69.6	84	29.36	63.47
3.0"	72.9	76.2	83.82	98.3	30.94	68.17
4.0"	97.4	101.6	109.14	123.7	34.11	76.17
6.0"	146.86	152.4	173.5	190.4	28.58	73.1
8.0"	197.66	203.2	224.3	241.2	28.58	73.1



15WI I-Line Ferrule Female

SIZE	ØA	ØB	ØC	ØD	L	L1
1.0"	22.1	25.4	31.88	50.67	19.84	44.5
1.5"	34.8	38.1	44.58	50.67	23.8	51.6
2.0"	47.5	50.8	57.28	67.05	26.19	58.7
2.5"	60.2	63.5	69.98	84	29.36	63.5
3.0"	72.9	76.2	84.2	98.3	30.94	68.3
4.0"	97.4	101.6	109.6	123.7	34.11	76.2
6.0"	146.86	152.4	175.7	190.4	28.58	76.2
8.0"	197.66	203.2	226.5	241.2	28.58	76.2



16AI-14I Male I-Line End Cap

SIZE	ØA	ØB	L
1.0"	31.5	50.67	12.37
1.5"	44.2	50.67	12.37
2.0"	56.9	67.05	14.11
2.5"	69.6	84	18.72
3.0"	83.82	98.3	19.32
4.0"	109.14	123.7	19.32
6.0"	173.5	190.4	18.88
8.0"	224.3	241.2	18.88



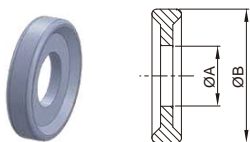
16AI-15I Female I-Line End Cap

SIZE	ØA	ØB	L
1.0"	31.88	50.67	12.75
1.5"	44.58	50.67	12.75
2.0"	57.28	67.05	17.66
2.5"	69.98	84	18.77
3.0"	84.2	98.3	19.37
4.0"	109.6	123.7	19.37
6.0"	175.7	190.4	22
8.0"	226.5	241.2	22

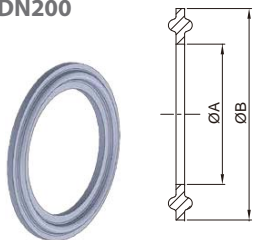
Ferrule Adapter

13PG

1/2"-3/4"



1"~8" DN10~DN200



13PG (EPDM、SILICONE、VITON、PTFE)

Imperial	ØA	ØB
1/2"	9.9	21.8
3/4"	16.3	21.8
A37	19	33
1"	22.7	50
1.25"	29.5	50.5
1.5"	35.9	50
2"	48.6	63.5
2.5"	61.3	76.2
3"	74	88.9
3.5"	86	105
4"	98.6	118
4.5"	110.5	129
5"	134.7	153
6"	147.8	165
8"	198.6	216

ISO(PTFE)	ØA	ØB	DIN(EPDM)	ØA	ØB
DN8	11.1	33.2	DN10	9.8	33.2
DN12	14.8	33.2	DN15	15.8	33.2
DN15	18.9	33.2	DN20	19.8	33.2
DN20	24.5	49.7	DN28	25.8	49.7
DN25	31.3	49.7	DN34	31.8	49.7
DN32	40	49.7	DN40	37.8	49.7
DN40	45.9	63.2	DN52	49.8	63.2
DN50	57.1	76.7	DN70	66.8	90.2
DN65	72.9	90.2	DN85	81.8	105.2
DN80	85.7	105.2	DN101.6	98.4	118.2
DN100	109.9	129.2	DN104	100.8	118.2
DN125	134.5	154.2	DN125	125.8	154.2
DN150	163.1	182.2	DN150	150.8	182.2
DN200	211.9	232.7	DN200	200.8	232.7

13PG(EP+PT)

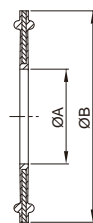
1/2"



3/4"



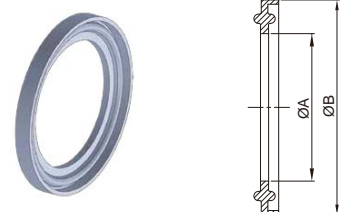
1.0"~4.0"



Imperial 13PG(EP+PT)

SIZE	ØA	ØB
1/2"	10	21.5
3/4"	16.3	21.8
1"	22.5	50.2
1.5"	34.9	50.2
2"	47.6	63.5
2.5"	60.5	77.7
3"	73.2	90.5
4"	97.7	118.4

13FG

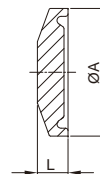


FLANGE TYPE 13FG

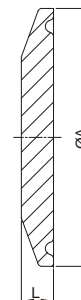
SIZE	ØA	ØB
1"	22.8	52.7
1.5"	35.8	52.7
2"	48.8	66.2
2.5"	60.5	79.7
3"	73.1	93.2
4"	97.8	121.2
6"	148	169.1
10"	249	270.7

Ferrule Adapter

1/2"~3/4" DIN6~DIN8



A37"~12" DIN10~DIN200 ISO(REP)



Imperial 16AMP

SIZE	ØA	L
1/2"	25	6
3/4"	25	6
A37	34	6.3
1.0"	50.5	6.3
1.5"	50.5	6.3
2.0"	64	6.3
2.5"	77.5	6.3
3.0"	91	6.3
3.5"	106	6.3
4.0"	119	7.9
6.0"	166.87	11.1
8.0"	217.67	11.1
10"	268.47	11.1
12"	319.27	11.1

DIN 16AMP

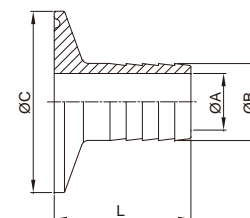
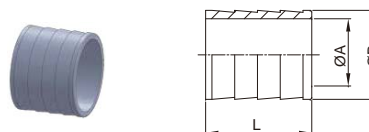
SIZE	ØA	L
DN6	25	4.75
DN8	25	4.75
DN10	34	6.35
DN15	34	6.35
DN20	34	6.35
DN25	50.5	6.35
DN32	50.5	6.35
DN40	50.5	6.35
DN50	64	6.35
DN65	91	6.35
DN80	106	6.35
DN100	119	8
DN125	155	8
DN150	183	11.1
DN200	233.5	11.1

ISO(REP) 16AMP

SIZE	ØA	L
DN8	34	6.3
DN12	34	6.3
DN15	34	6.3
DN20	50.5	6.3
DN25	50.5	6.3
DN32	50.5	6.3
DN40	64	6.3
DN50	77.5	6.3
DN65	91	6.3
DN80	106	6.3
DN100	130	7.9
DN125	155	7.9
DN150	183	11.1
DN200	233.5	11.1

14WHR HOSE ADAPTER

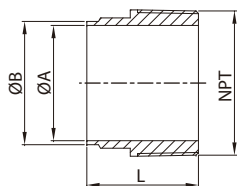
SIZE	ØA	ØB	ØC	L
1/2"	9.5	13.7	25.2	25.3
3/4"	15.8	21.4	25.2	25.3
1.0"	20.6	25.4	50.5	30.3
1.5"	33.2	38.1	50.5	30.3
2.0"	46	50.8	64	46
2.5"	58.7	63.5	77.5	46.8
3.0"	72	76.2	91	65.9
4.0"	97.6	101.6	119	72.8



14MPHR HOSE ADAPTER

SIZE	ØA	ØB	ØC	L
1/2"x1/4"	3.175	7.3	25.2	38
1/2"x3/8"	6.35	10.4	25.2	38
1/2"x1/2"	9.5	13.7	25.2	38
1/2"x5/8"	12.7	16.8	25.2	38
3/4"x1/4"	3.175	7.3	25.2	38
3/4"x3/8"	6.35	10.4	25.2	38
3/4"x1/2"	9.5	13.7	25.2	38
3/4"x5/8"	12.7	16.8	25.2	38
1.0"x1/4"	3.175	7.3	50.5	38
1.0"x3/8"	6.35	10.4	50.5	38
1.0"x1/2"	9.5	13.7	50.5	38
1.0"x5/8"	12.7	16.8	50.5	38
1.0"x3/4"	15.8	21.4	50.5	38
1.5"x1.0"	20.6	25.4	50.5	43
1.5"x3/8"	6.35	10.4	50.5	38
1.5"x1/2"	9.5	13.7	50.5	38
1.5"x5/8"	12.7	16.8	50.5	38
1.5"x3/4"	15.8	21.4	50.5	38
1.5"x1.0"	20.6	25.4	50.5	43
1.5"x1.25"	26.8	31.75	50.5	43
1.5"x1.5"	33.2	38.1	50.5	43
2.0"x1.25"	26.8	31.75	64	43
2.0"x1.5"	33.2	38.1	64	43
2.0"x2.0"	46	50.8	64	58.7
2.5"x2.5"	58.7	63.5	77.5	59.5
3.0"x3.0"	72	76.2	91	78.6
4.0"x4.0"	97.6	101.6	119	85.5

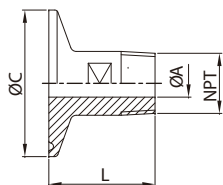
Ferrule Adapter



19W thread male

SIZE	ØA	ØB	NPT	L
1/2"	9.4	12.7	1/2"	41.3
3/4"	15.75	19.05	3/4"	41.3
1.0"	22.1	25.4	1.0"	44.5
1.5"	34.8	38.1	1.5"	44.5
2.0"	47.5	50.8	2.0"	46
2.5"	60.2	63.5	2.5"	58.7
3.0"	72.9	76.2	3.0"	63.5
4.0"	97.4	101.6	4.0"	65.1
6.0"	146.9	152.4	6.0"	76.2

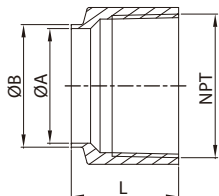
21MP



SIZE	ØA	ØC	NPT	L	SIZE	ØA	ØC	NPT	L
1/2"×1/2"	9.5	25	1/2"	45	2.0"×3.0"	73	64	3.0"	70
3/4"×1/4"	7.95	25	1/4"	45	2.0"×4.0"	97.6	64	4.0"	75
3/4"×1/2"	15.8	25	1/2"	45	2.5"×1.0"	22.2	77.5	1.0"	50
3/4"×3/4"	15.8	25	3/4"	45	2.5"×1.5"	34.9	77.5	1.5"	50
1.0"×1.5"×1/4"	3.18	50.5	1/4"	40	2.5"×2.0"	47.6	77.5	2.0"	55
1.0"×1.5"×3/8"	6.35	50.5	3/8"	40	2.5"×2.5"	60.3	77.5	2.5"	60
1.0"×1.5"×1/2"	9.5	50.5	1/2"	40	2.5"×3.0"	73	77.5	3.0"	70
1.0"×1.5"×3/4"	15.8	50.5	3/4"	45	2.5"×4.0"	97.6	77.5	4.0"	75
1"×1.5"×1.0"	22.2	50.5	1.0"	50	3.0"×1.0"	22.2	91	1.0"	55
1.0"×1.5"×1.25"	28.6	50.5	1.25"	50	3.0"×1.5"	34.9	91	1.5"	55
1.0"×1.5"×1.5"	34.9	50.5	1.5"	50	3.0"×2.0"	47.6	91	2.0"	55
1.0"×1.5"×2.0"	47.6	50.5	2.0"	55	3.0"×2.5"	60.3	91	2.5"	60
2.0"×1/4"	3.18	64	1/4"	40	3.0"×3.0"	73	91	3.0"	70
2.0"×3/8"	6.35	64	3/8"	40	3.0"×4.0"	97.6	91	4.0"	75
2.0"×1/2"	9.5	64	1/2"	40	4.0"×1.0"	22.2	119	1.0"	55
2.0"×3/4"	15.8	64	3/4"	50	4.0"×1.5"	34.9	119	1.5"	55
2.0"×1.0"	22.2	64	1.0"	50	4.0"×2.0"	47.6	119	2.0"	55
2.0"×1.5"	34.9	64	1.5"	50	4.0"×2.5"	60.3	119	2.5"	60
2.0"×2.0"	47.6	64	2.0"	55	4.0"×3.0"	73	119	3.0"	70
2.0"×2.5"	60.3	64	2.5"	60	4.0"×4.0"	97.6	119	4.0"	75

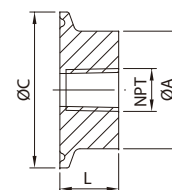
22W thread female

SIZE	ØA	ØB	NPT	L
1.0"	22.1	25.4	1.0"	34.9
1.5"	34.8	38.1	1.5"	33.4
2.0"	47.5	50.8	2.0"	44.5
2.5"	60.2	63.5	2.5"	46.1
3.0"	72.9	76.2	3.0"	57.2
4.0"	97.4	101.6	4.0"	60.3



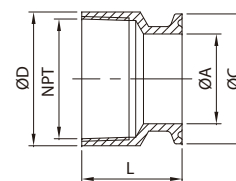
Ferrule Adapter

22MP



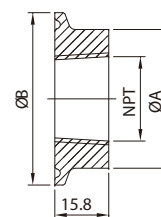
SIZE	ØA	ØC	L	NPT	SIZE	ØA	ØC	L	NPT
1.0"×1.5"×1/4"	38.1	50.5	19	1/4"	2.5"×1.0"	63.5	77.5	35	1.0"
1.0"×1.5"×3/8"	38.1	50.5	19	3/8"	2.5"×1.5"	63.5	77.5	35	1.5"
1.0"×1.5"×1/2"	38.1	50.5	19	1/2"	2.5"×2.0"	65	77.5	35	2.0"
1.0"×1.5"×3/4"	38.1	50.5	19	3/4"	3.0"×1.0"	76.2	91	35	1.0"
1.0"×1.5"×1.0"	40	50.5	19	1.0"	3.0"×1.5"	76.2	91	35	1.5"
2.0"×1/4"	50.8	64	19	1/4"	3.0"×2.0"	76.2	91	35	2.0"
2.0"×3/8"	50.8	64	19	3/8"	4.0"×1.0"	101.6	119	35	1.0"
2.0"×1/2"	50.8	64	19	1/2"	4.0"×1.5"	101.6	119	35	1.5"
2.0"×3/4"	50.8	64	19	3/4"	4.0"×2.0"	101.6	119	35	2.0"
2.0"×1.0"	50.8	64	19	1.0"	4.0"×2.5"	101.6	119	35	2.5"
2.0"×1.5"	53	64	19	1.5"	4.0"×3.0"	101.6	119	35	3.0"

22MP



SIZE	ØA		ØC	ØD	NPT	L
	1.0"	1.5"				
1/2"×1/4"	9.5		25	30	1/4"	33
1/2"×1/2"	9.5		25	30	1/2"	33
3/4"×1/2"	15.75		25	30	1/2"	38.1
3/4"×3/4"	15.8		25	31	3/4"	33
1.0"×1.5"×1.25"	22.2	34.9	50.5	52	1.25"	39
1.0"×1.5"×1.5"	22.2	34.9	50.5	54	1.5"	39
1.0"×1.5"×2.0"	22.2	34.9	50.5	65	2.0"	40
2.0"×2.0"	47.6		64	65	2.0"	40
2.5"×2.5"	60.3		77.5	80	2.5"	50
3.0"×2.5"	73		91	95	2.5"	50
3.0"×3.0"	73		91	95	3.0"	52
4.0"×4.0"	97.6		119	120	4.0"	54

23BMP



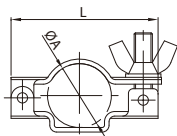
SIZE	ØA	ØB	NPT	SIZE	ØA	ØB	NPT
1.0"×1/8"	25.4	50.5	1/8"	2.5"×1/2"	63.5	77.5	1/2"
1.0"×1/4"	25.4	50.5	1/4"	2.5"×3/4"	63.5	77.5	3/4"
1.0"×3/8"	25.4	50.5	3/8"	2.5"×1.0"	63.5	77.5	1.0"
1.0"×1/2"	25.4	50.5	1/2"	2.5"×1.5"	63.5	77.5	1.5"
1.5"×1/8"	38.1	50.5	1/8"	2.5"×2.0"	63.5	77.5	2.0"
1.5"×1/4"	38.1	50.5	1/4"	3.0"×1/2"	76.2	91	1/2"
1.5"×3/8"	38.1	50.5	3/8"	3.0"×3/4"	76.2	91	3/4"
1.5"×1/2"	38.1	50.5	1/2"	3.0"×1.0"	76.2	91	1.0"
1.5"×3/4"	38.1	50.5	3/4"	3.0"×1.5"	76.2	91	1.5"
1.5"×1.0"	38.1	50.5	1.0"	3.0"×2.0"	76.2	91	2.0"
2.0"×1/2"	50.8	64	1/2"	4.0"×3/4"	101.6	119	3/4"
2.0"×3/4"	50.8	64	3/4"	4.0"×1.0"	101.6	119	1.0"
2.0"×1.0"	50.8	64	1.0"	4.0"×1.5"	101.6	119	1.5"
2.0"×1.5"	50.8	64	1.5"	4.0"×2.0"	101.6	119	2.0"
				4.0"×2.5"	101.6	119	2.5"
				4.0"×3.0"	101.6	119	3.0"

Tubing Hanger

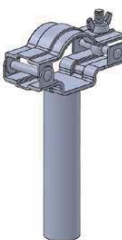
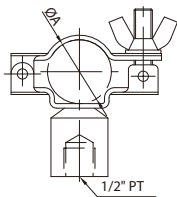
TH-1



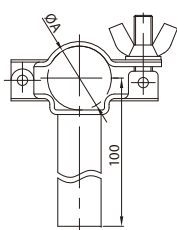
Type A



Type B



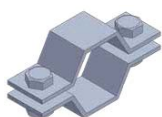
Type C



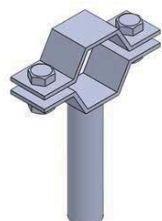
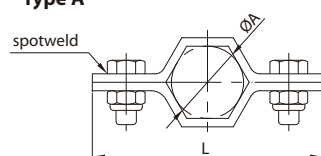
Imperial	ØA	L
1"	25.4	66
1.5"	38.1	76
2"	50.8	90
2.5"	63.5	105
3"	76.2	120
4"	101.6	146

DIN	ØA	L
DN15	18/19	69
DN20	22/23	66
DN25	28/29	64.5
DN32	34/35	78.5
DN40	40/41	80.5
DN50	52/53	94
DN65	70	123.5
DN80	85	130.5
DN100	104	150
DN125	129	175.5
DN150	154	206.5

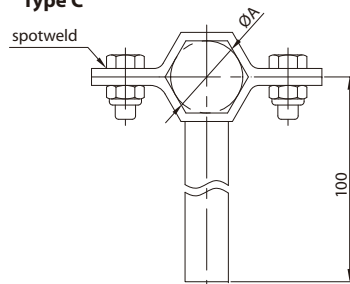
TH-2



Type A



Type C



ISO	ØA	L
ISO-21.3	21.3	68
ISO-26.9	26.9	74
ISO-33.7	33.7	82
ISO-42.4	42.4	93
ISO-48.3	48.3	101
ISO-60.3	60.3	114
ISO-88.9	88.9	149
ISO-114.3	114.3	177
ISO-139.7	139.7	221.7
ISO-168.7	168.7	254.8

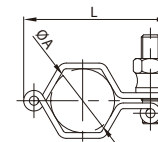
SMS	ØA	L
DN25	25	74
DN38	38	87
DN50	51	105
DN63	63.5	117
DN76	76.1	133
DN100	104	165
DN125	139.7	221.7
DN150	168.3	254.8

Tubing Hanger

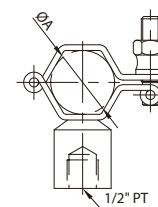
TH-3



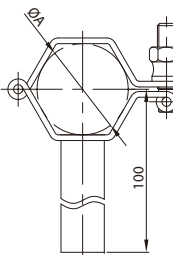
Type A



Type B



Type C



TH-3 (Hexagon)

DIN	ØA	L
DN25	28	64
DN32	34	64
DN40	40	78
DN50	52	90
DN65	70	111
DN80	85	129
DN100	101.6	150

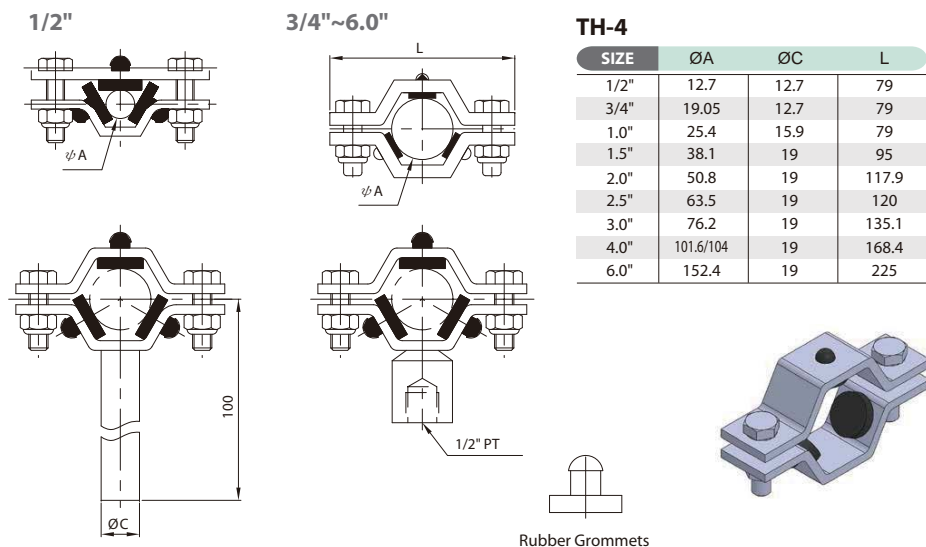
SMS	ØA	L
DN25	25	61
DN38	38	76
DN50	51	90
DN63	63.5	106
DN76	76.1	124
DN100	104	154

Hinged pipe clamp (Round)

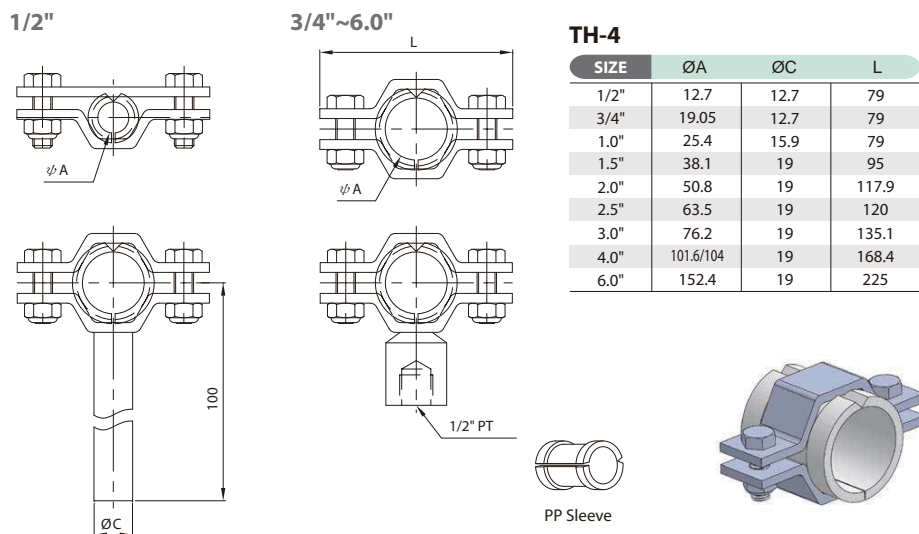
DIN	ØA	L
DN20	23	57
DN25	29	63
DN32	35	67
DN40	41	73
DN50	53	91
DN65	70	108
DN80	85	123
DN100	104	142

Tubing Hanger

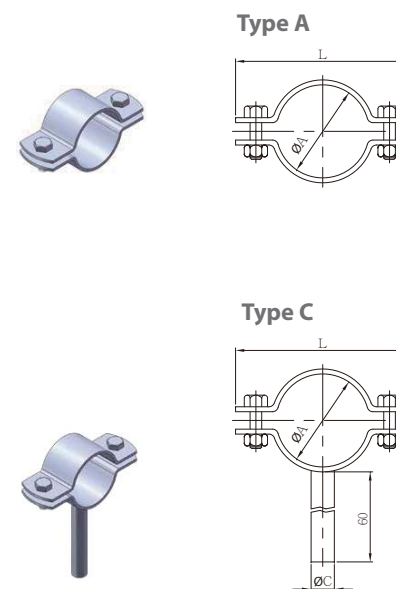
TH-4 (RG type)



TH-4 (PP type)



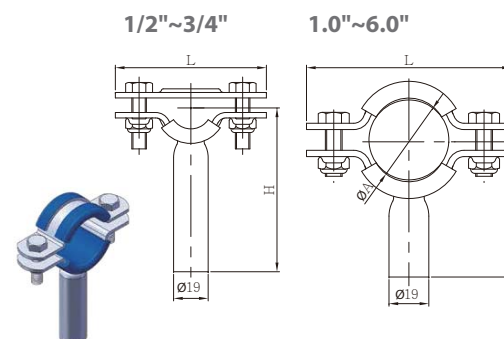
Tubing Hanger



TH-5

3A	ØA	ØC	L
1/2"	12.7	6	46.5
3/4"	19.05	8	50
1.0"	25.4	8	62.5
1.25"	31.75	10	70.5
1.5"	38.1	10	81.5
2.0"	50.5	12	92
2.5"	63.5	12	123.5
3.0"	76.2	15	141
4.0"	101.6	15	177.5
5.0"	127	18	201
6.0"	152.4	18	231.5
8.0"	203.2	—	279.5

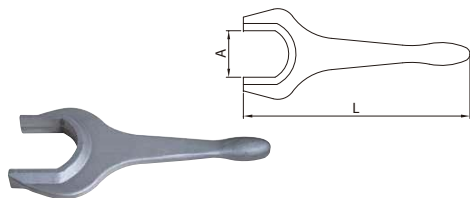
DIN	ØA	L	ØC
DN10	12/13	46.5	6
DN15	18/19	50	8
DN20	22/23	55	8
DN25	28/29	73.5	8
DN32	34/35	70.5	10
DN40	40/41	80.4	10
DN50	52/53	96.5	12
DN65	70	120	12
DN80	85	137	15
DN100	104	182	15
DN125	129	202	18
DN150	154	231	18



TH-6

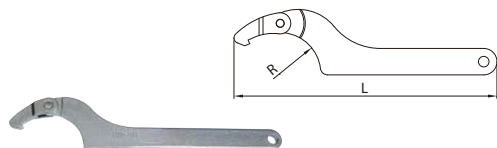
SIZE	ØA	H	L
1/2"	12.7	90	83
3/4"	19.05	90	83
1"	25.4	90	83
1.5"	38.1	90	97.7
2"	50.8	90	111.7
2.5"	63.5	90	124
3"	76.2	90	140.5
4"	101.6	90	162
6"	152.4	145	217

Kinds of Parts



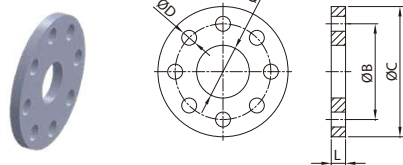
HEXAGONAL SPANNER

SIZE	3A	A	RJT	L
1.0"	47	51.8		240
1.5"	62.1	66		288
2.0"	77.2	80.4		300
2.5"	92.5	93.2		326
3.0"	107.9	106.3		440
4.0"	131.5	139.1		448



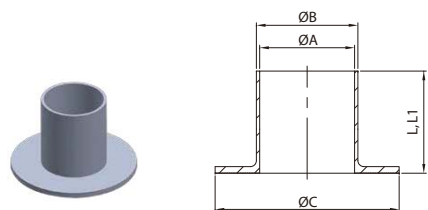
DIN SPANNER

SIZE	R	L
DN10~DN20	22	175
DN25~DN40	31	247
DN50~DN100	49	290
DN125~DN150	82.5	515



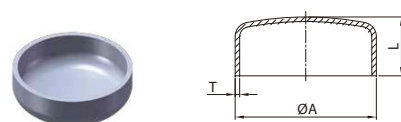
BACK-UP FLANGE

SIZE	ØA	ØB	ØC	ØD	L
1"	27	79.4	108	4-15.9	9.5
1.5"	39.7	98.4	127	4-15.9	9.5
2"	52.4	120.7	152.4	4-19.05	11.1
2.5"	65.1	139.7	177.8	4-19.05	11.1
3"	77.8	152.4	190.5	4-19.05	12.7
4"	103.2	190.5	228.6	8-19.05	12.7
6"	154	241.3	279.4	8-22.2	14.3



14VB STUB END

SIZE	ØA	ØB	ØC	L	L1
1/2"	9.4	12.7	38.1	6.5	28.6
3/4"	15.75	19.05	38.1	6.5	34.9
1"	22.1	25.4	50.8	6.5	41.3
1.5"	34.8	38.1	73	6.5	44.5
2"	47.5	50.8	92.1	6.5	38.1
2.5"	60.2	63.5	104.8	6.5	50.8
3"	72.9	76.2	127	7.4	57.2
4"	97.4	101.6	157.2	7.4	66.7
6"	146.86	152.4	215.9	8.8	76.2
8"	197.66	203.2	269.9	8.8	76.2
10"	247.6	254	323.85	25.4	88.9
12"	298	304	381	25.4	76.2



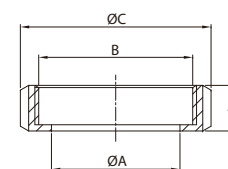
16W CAP

SIZE	ØA	T	L
1/2"	12.7	1.65	6.4
3/4"	19.05	1.65	7.9
1"	25.4	1.65	19.1
1.5"	38.1	1.65	14.2
2"	50.8	1.65	19.1
2.5"	63.5	1.65	25.4
3"	76.2	1.65	31.8
4"	101.6	2.1	38.1
6"	152.4	2.77	57.2

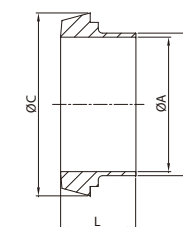
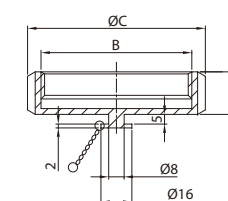
DIN 11851 Unions



DIN-13R



DIN-13RBN

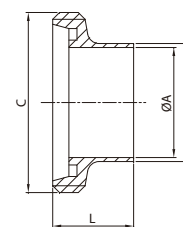


DIN-13 ROUND NUT

SIZE	ØA	B	ØC	L	SLOTS
10	19	RD 28*1/8	38	18	4
15	25	RD 34*1/8	44	18	4
20	31	RD 44*1/6	54	20	4
25	36	RD 52*1/6	63	21	4
32	42	RD 58*1/6	70	21	4
40	49	RD 65*1/6	78	21	4
50	62	RD 78*1/6	92	22	4
60	70	RD 85*1/6	99	22	4
65	80	RD 95*1/6	112	25	6
80	94	RD110*1/4	127	29	6
90	104	RD120*1/4	138	30	6
100	115	RD130*1/4	148	31	6
125	138	RD160*1/4	178	35	6
150	164	RD190*1/4	210	40	6

DIN-14DA/DB WELDING LINER

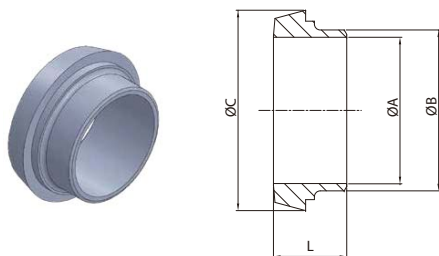
SIZE	ØA	DA	ØB	DB	ØC	L
10	10	13	9	12	22.5	17
15	16	19	15	18	28.5	17
20	20	23	19	22	36.5	18
25	26	29	25	28	44	22
32	32	35	31	34	50	25
40	38	41	37	40	56	26
50	50	53	49	52	68.5	28
60	57	61	57	61	76	30
65	66	70	66	70	86	32
80	81	85	81	85	100	37
100	100	104	100	104	121	44
125	125	129	125	129	150	34
150	150	154	150	154	176	37



DIN-15DA/DB WELDING MALE

SIZE	ØA	DA	ØB	DB	C	L
10	10	13	9	12	RD 28*1/8	21
15	16	19	15	18	RD 34*1/8	21
20	20	23	19	22	RD 44*1/6	24
25	26	29	25	28	RD 52*1/6	29
32	32	35	31	34	RD 58*1/6	32
40	38	41	37	40	RD 65*1/6	33
50	50	53	49	52	RD 78*1/6	35
60	57	61	57	61	RD 85*1/6	36
65	66	70	66	70	RD 95*1/6	40
80	81	85	81	85	RD 110*1/4	45
90	89	93	89	93	RD 120*1/4	54
100	100	104	100	104	RD 130*1/4	54
125	125	129	125	129	RD 160*1/4	46
150	150	154	150	154	RD 190*1/4	50

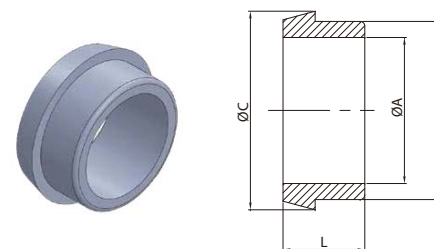
DIN 11851 Unions



DIN-14 WELDING LINER

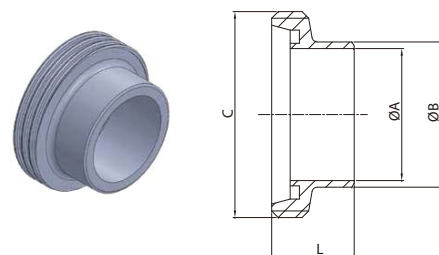
SIZE	ØA	ØB	ØC	L
10	10	15	22.5	17
15	16	21	28.5	17
20	20	25	36.5	18
25	26	31	44	22
32	32	37	50	25
40	38	43	56	26
50	50	55	68.5	28
60	57	63	76	30
65	66	72	86	32
80	81	87	100	37
99	99	104	121	44
100	100	106	121	44
125	125	132	150	34
150	150	157	176	37

DIN 11851 Unions



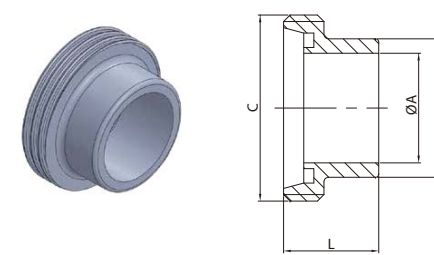
DIN-14T WELDING LINER

SIZE	ØA	ØB	ØC	L
10	10	18	22.5	17
15	16	24	28.5	17
20	20	30	36.5	18
25	26	35	44	22
32	32	41	50	25
40	38	48	56	26
50	50	61	68.5	28
65	66	79	86	32
80	81	93	100	37
99	99	112	121	44
100	100	114	121	44
125	125	137	150	34
150	150	163	176	37



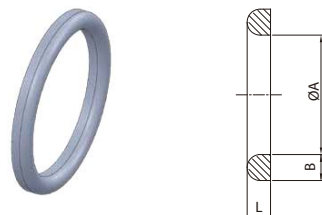
DIN-15 WELDING MALE

SIZE	ØA	ØB	C	L
10	10	15	RD 28*1/8	21
15	16	21	RD 34*1/8	21
20	20	25	RD 44*1/6	24
25	26	31	RD 52*1/6	29
32	32	37	RD 58*1/6	32
40	38	43	RD 65*1/6	33
50	50	55	RD 78*1/6	35
60	57	63	RD 85*1/6	36
65	66	72	RD 95*1/6	40
80	81	87	RD 110*1/4	45
99	99	104	RD 130*1/4	54
100	100	106	RD 130*1/4	54
125	125	132	RD 160*1/4	46
150	150	157	RD 190*1/4	50



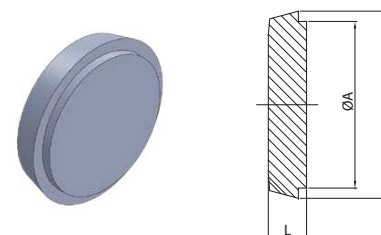
DIN-15T WELDING MALE

SIZE	ØA	ØB	C	L
10	10	18	RD 28*1/8	21
15	16	24	RD 34*1/8	21
20	20	30	RD 44*1/6	24
25	26	35	RD 52*1/6	29
32	32	41	RD 58*1/6	32
40	38	48	RD 65*1/6	33
50	50	61	RD 78*1/6	35
65	66	79	RD 95*1/6	40
80	81	93	RD 110*1/4	45
99	99	112	RD 130*1/4	54
100	100	114	RD 130*1/4	54
125	125	137	RD 160*1/4	46
150	150	163	RD 190*1/4	50



**DIN SEAL RING
(EPDM、SILICONE、Viton (FKM))**

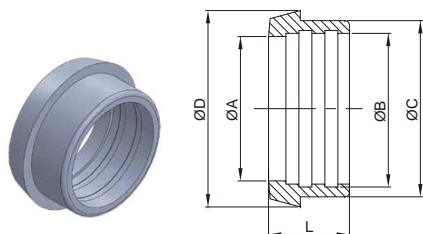
SIZE	ØA	B	L
10	12	4	4.5
15	18	4	4.5
20	23	5	4.5
25	30	5	5
32	36	5	5
40	42	5	5
50	54	5	5
65	71	5	5
80	85	5	5
100	104	5	5
125	130	6	7
150	155	6	7



DIN-14B END CAP

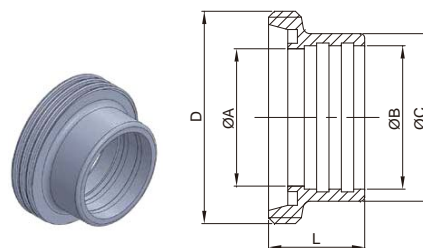
SIZE	ØA	ØB	L
10	18	22.5	9
15	24	28.5	9
20	30	36.5	11
25	35	44	13
32	41	50	13
40	48	56	13
50	61	68.5	14
65	79	86	16
80	93	100	16
90	103	111	19
100	114	121	20
125	137	150	22
150	163	176	24

DIN 11851 Expanding/Imperial Unions



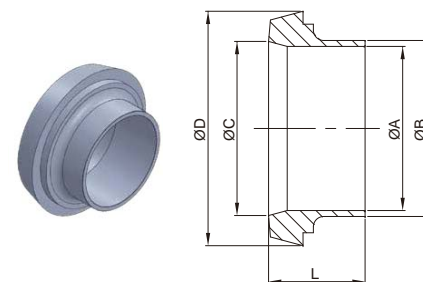
DIN-14R expanding liner

SIZE	ØA	ØB	ØC	ØD	L
10	10	12.2	18	22.5	17
15	16	18.2	24	28.5	17
20	20	22.2	30	36.5	18
25	26	28.2	35	44	22
32	32	34.2	41	50	25
40	38	40.3	48	56	26
50	50	52.3	61	68.5	28
65	66	70.4	79	86	32
80	81	85.4	93	100	37
100	100	105	114	121	44
125	125	129	137	150	34
150	150	154	163	176	37



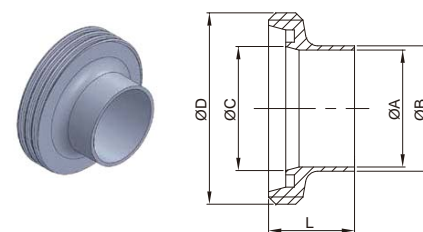
DIN-15R expanding male

SIZE	ØA	ØB	ØC	D	L
10	10	12.2	18	RD 28*1/8	21
15	16	18.2	24	RD 34*1/8	21
20	20	22.2	30	RD 44*1/6	24
25	26	28.2	35	RD 52*1/6	29
32	32	34.2	41	RD 58*1/6	32
40	38	40.3	48	RD 65*1/6	33
50	50	52.3	61	RD 78*1/6	35
65	66	70.4	79	RD 95*1/6	40
80	81	85.4	93	RD 110*1/4	45
100	100	105	114	RD 130*1/4	54
125	125	129	137	RD 160*1/4	46
150	150	154	163	RD 190*1/4	50



DIN-14I imperial welding liner

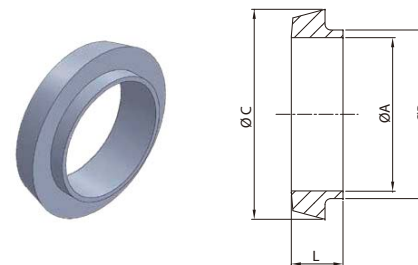
SIZE	ØA	ØB	ØC	ØD	L
1/2"	9.4	12.7	10	22.5	17
3/4"	15.75	19.05	20	36.5	18
1"	22.1	25.4	26	44	22
1.25"	28.45	31.75	32	50	25
1.5"	34.8	38.1	38	56	26
2"	47.5	50.8	50	68.5	28
2.5"	60.2	63.5	66	86	32
3"	72.9	76.2	81	100	37
4"	97.6	101.6	100	121	44



DIN-15I imperial welding male

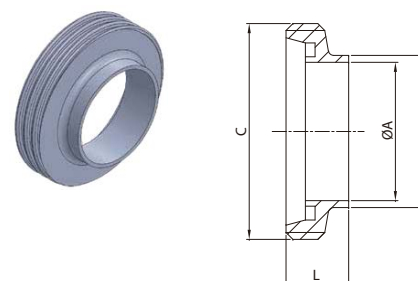
SIZE	ØA	ØB	ØC	D	L
1/2"	9.4	12.7	10	RD 28*1/8	21
3/4"	15.75	19.05	20	RD 44*1/6	24
1"	22.1	25.4	26	RD 52*1/6	29
1.25"	28.45	31.75	32	RD 58*1/6	32
1.5"	34.8	38.1	38	RD 65*1/6	33
2"	47.5	50.8	50	RD 78*1/6	35
2.5"	60.2	63.5	66	RD 95*1/6	40
3"	72.9	76.2	81	RD 110*1/4	45
4"	97.6	101.6	100	RD 130*1/4	54

DIN 11851 Expanding/Imperial Unions



DIN-14E SHORT WELDING LINER

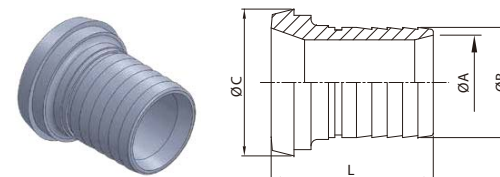
SIZE	DA		DB		ØC	L
	ØA	ØB	ØA	ØB		
10	10	13	9	12	22.5	13
15	16	19	15	18	28.5	13
20	20	23	19	22	36.5	13
25	26	29	25	28	44	15
32	32	35	31	34	50	15
40	38	41	37	40	56	15
50	50	53	49	52	68.5	16
60	57	61	57	61	76	16
65	66	70	66	70	86	17
80	80	85	81	85	100	17
100	100	104	100	104	121	20
125	125	129	125	129	150	23.5
150	150	154	150	154	176	27



DIN-15E SHORT WELDING MALE

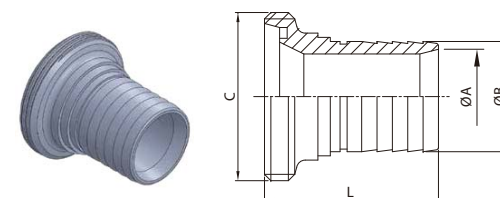
SIZE	DA		DB		C	L
	ØA	ØB	ØA	ØB		
10	10	13	9	12	RD 28*1/8	17
15	16	19	15	18	RD 34*1/8	17
20	20	23	19	22	RD 44*1/6	19
25	26	29	25	28	RD 52*1/6	22
32	32	35	31	34	RD 58*1/6	22
40	38	41	37	40	RD 65*1/6	22
50	50	53	49	52	RD 78*1/6	23
60	57	61	57	61	RD 85*1/6	23
65	66	70	66	70	RD 95*1/6	25
80	81	85	81	85	RD 110*1/4	25
90	89	93	89	93	RD 120*1/4	30
100	100	104	100	104	RD 130*1/4	30
125	125	129	125	129	RD 160*1/4	35.5
150	150	154	150	154	RD 190*1/4	40

DIN 11851 HOSE ADAPTER



DIN-14AHR HOSE ADAPTER

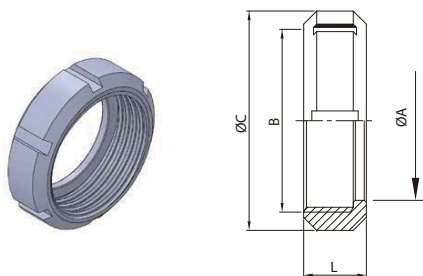
SIZE	ØA	ØB	ØC	L
25	22.2	25	44	67
32	28.7	32.2	50	71
40	34	38	56	78
50	47	50.5	68	89
65	59	63.2	86	100
80	71.5	75.5	100	108
100	95	100.8	121	120



DIN-15AHR HOSE ADAPTER

SIZE	ØA	ØB	C	L
25	22.2	25	RD 52*1/6	69
32	28.7	32.2	RD 58*1/6	73
40	34	38	RD 65*1/6	80
50	47	50.5	RD 78*1/6	90
65	59	63.2	RD 95*1/6	108
80	71.5	75.5	RD 110*1/4	116
100	95	100.8	RD 130*1/4	128

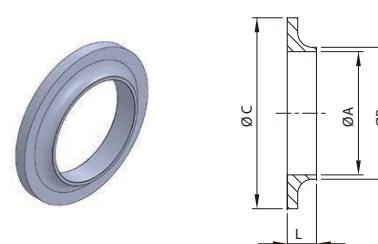
SMS Unions



SMS-13R NUT 6 SLOTS

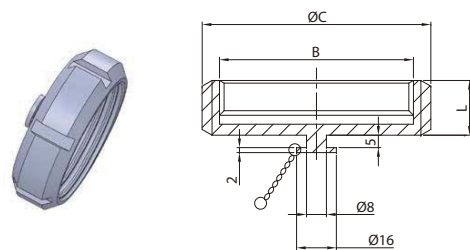
SIZE	ØA	B	ØC	L
25	32.3	RD 40*1/6	51	19
32	40.3	RD 48*1/6	60	22
38	48.5	RD 60*1/6	74	23
50	61	RD 70*1/6	84	24
63	74	RD 85*1/6	100	28
76	87	RD 98*1/6	114	30
101.6	113	RD125*1/4	138	31
104	113	RD125*1/4	138	31
102.5	117	RD132*1/6	150	31

SMS Unions



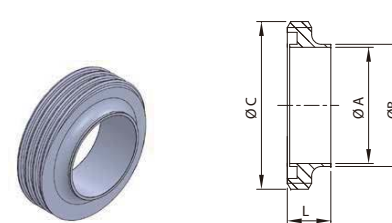
SMS-14S SHORT WELDING LINER

SIZE	ØA	ØB	ØC	L
25	22.5	25	35.5	7.5
38	35.5	38	55	8
50	48.5	51	65	9
63	60.5	63.5	80	9
76	72.9	76.1	93	9
101.6	97.6	101.6	118	10
104	100	104	118	12
102.5	98.5	102.5	127	12



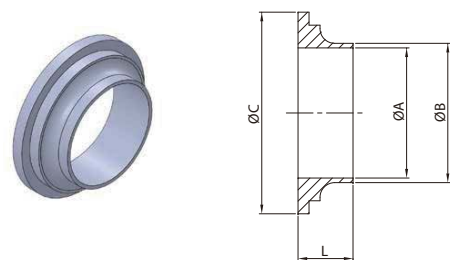
SMS-13RBN ROUND BLANK NUT

SIZE	B	ØC	L
25	RD 40*1/6	51	19
32	RD 48*1/6	60	22
38	RD 60*1/6	74	23
50	RD 70*1/6	84	24
63	RD 85*1/6	100	28
76	RD 98*1/6	114	30
104	RD125*1/4	138	31
102.5	RD132*1/6	150	31



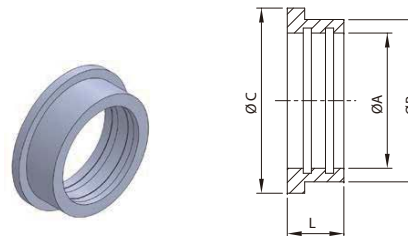
SMS-15S SHORT WELDING MALE

SIZE	ØA	ØB	C	L
25	22.5	25	RD 40*1/6	15
38	35.5	38	RD 60*1/6	20
50	48.5	51	RD 70*1/6	20
63	60.5	63.5	RD 85*1/6	24
76	72.9	76.1	RD 98*1/6	24
101.6	97.6	101.6	RD125*1/4	30
104	100	104	RD125*1/4	30
102.5	98.5	102.5	RD132*1/6	35



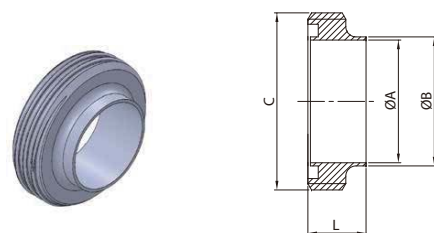
SMS-14 LONG WELDING LINER

SIZE	ØA	ØB	ØC	L
25	22.5	25	35.5	15.5
38	35.5	38	55	16
50	48.5	51	65	17
63	60.5	63.5	80	17
76	72.9	76.1	93	19
101.6	97.6	101.6	118	19
104	100	104	118	19
102.5	98.5	102.5	127	19



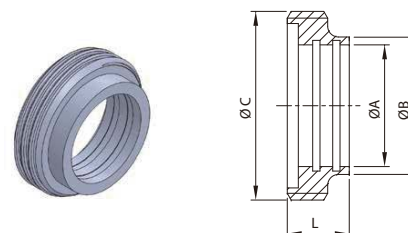
SMS-14R EXPANDING LINER

SIZE	ØA	ØB	ØC	L
25	25	32	35.5	17
32	32	40	43.5	17
38	38	47.9	55	20
40	40	48	55	20
50	51	60.4	65	20
63	63.5	73.5	80	25
76	76.1	86.5	93	30
101.6	101.6	112.5	118	27
104	105	112.5	118	27



SMS-15 LONG WELDING MALE

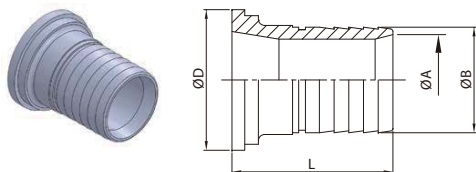
SIZE	ØA	ØB	ØC	L
25	22.5	25	RD 40*1/6	19
38	35.5	38	RD 60*1/6	23
50	48.5	51	RD 70*1/6	23
63	60.5	63.5	RD 85*1/6	27
76	72.9	76.1	RD 98*1/6	27
101.6	97.6	101.6	RD125*1/4	30
104	100	104	RD125*1/4	30
102.5	98.5	102.5	RD132*1/6	35



SMS-15R EXPANDING MALE

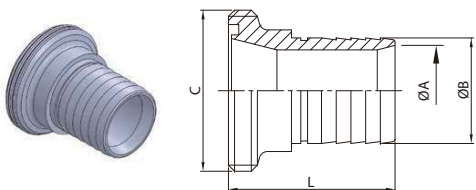
SIZE	ØA	ØB	C	L
25	25	32	RD 40*1/6	20
32	32	40	RD 48*1/6	20
38	38	47.9	RD 60*1/6	23
40	40	48	RD 60*1/6	23
50	51	60.4	RD 70*1/6	25
63	63.5	73.5	RD 85*1/6	30
76	76.1	86.5	RD 98*1/6	35
101.6	101.6	112.5	RD125*1/4	30
104	105	112.5	RD125*1/4	30

SMS Unions Range



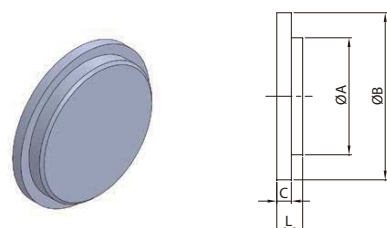
SMS-14AHR HOSE ADAPTER

SIZE	ØA	ØB	ØD	L
25	22.2	25	35.5	60.5
38	34	38	55	72
50	47	50.5	65	82
63	59	63.2	80	95
76	71.5	75.5	93	97
104	95	100.8	118	109



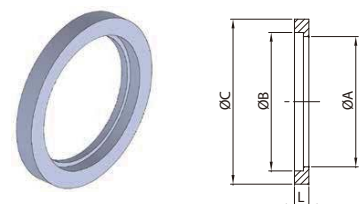
SMS-15AHR HOSE ADAPTER

SIZE	ØA	ØB	C	L
25	22.2	25	RD 40*1/6	64
38	34	38	RD 60*1/6	79
50	47	50.5	RD 70*1/6	89
63	59	63.2	RD 85*1/6	102
76	71.5	75.5	RD 98*1/6	105
104	95	100.8	RD 125*1/4	120



SMS-14B BLANK END CAP

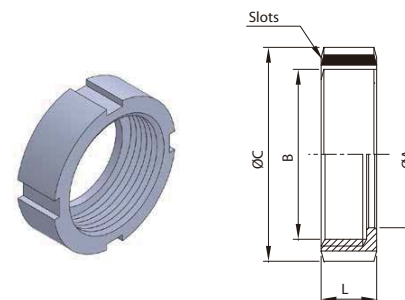
SIZE	ØA	ØB	C	L
25	32	35.5	3.5	7.5
38	48	55	5	9
50	60	65	5	10
63	73.5	80	5	10
76	86	93	5	11
101.6/104	116	118	6	11
102.5	112	128	6	11



SEAL RING L TYPE (EPDM、SILICONE、VITON(FKM))

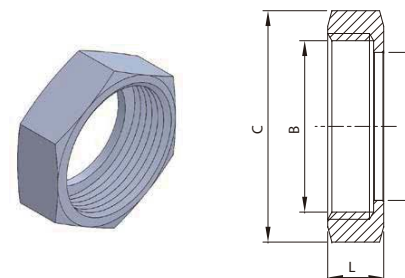
SIZE	ØA	ØB	C	L
25	22.8	25.1	31.8	5.3
38	35.8	38.1	47.8	5.3
50	48.8	51.1	60.8	5.3
63	61	63.6	73.3	5.3
76	73.4	76.1	85.8	5.3
104/102.5	100.5	104	115.7	5.3

RJT (BS) Unions



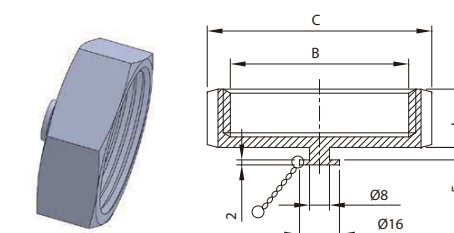
RJT-13R Round nut

SIZE	ØA	B	ØC	L	Slots
1.0"	33.45	42.266x8TPI WHIT	58.5	22.2	4
1.5"	46	54.966x8TPI WHIT	74	22.2	4
2.0"	58.67	67.92x6TPI WHIT	85.5	22.2	4
2.5"	71.4	80.62x6TPI WHIT	98.5	22.2	4
3.0"	84.1	93.32x6TPI WHIT	111.6	22.2	4
4.0"	109.7	118.72x6TPI WHIT	138	22.2	4
6.0"	163	169.52x6TPI WHIT	197	23.5	4



RJT-13H Hex.nut

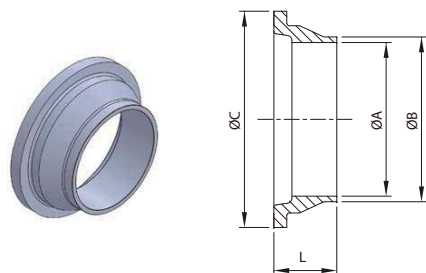
SIZE	ØA	B	C	L
1/2"	14.5	19.6x10TPI WHIT	28.5	16
3/4"	21	26.2x10TPI WHIT	33	16
1.0"	33.45	42.266x8TPI WHIT	50.8	22.2
1.5"	46	54.966x8TPI WHIT	65	22.2
2.0"	58.67	67.92x6TPI WHIT	79.4	22.2
2.5"	71.4	80.62x6TPI WHIT	92	22.2
3.0"	84.1	93.32x6TPI WHIT	104.8	22.2
4.0"	109.7	118.72x6TPI WHIT	130	22.2
6.0"	163	169.52x6TPI WHIT	184	24



RJT-13HBN Hex.blank nut

SIZE	B	C	L
1.0"	42.266x8TPI WHIT	50.8	23.5
1.5"	54.966x8TPI WHIT	65	23.5
2.0"	67.92x6TPI WHIT	79.4	23.5
2.5"	80.62x6TPI WHIT	92	23.5
3.0"	93.32x6TPI WHIT	104.8	23.5
4.0"	118.72x6TPI WHIT	130	23.5
6.0"	169.52x6TPI WHIT	184	23.5

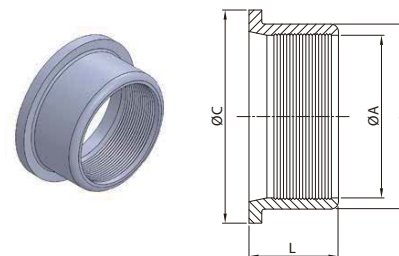
RJT (BS) Unions



RJT-14 WELDING LINER

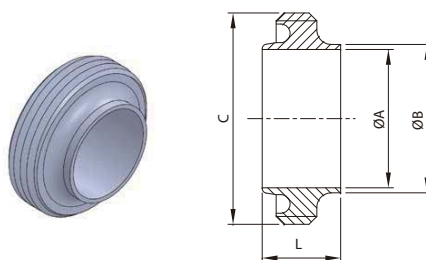
SIZE	ØA	ØB	ØC	L
1/2"	9.6	14	18	11.4
3/4"	16	20	23.1	11.4
1.0"	22.1	25.4	41.3	19.5
1.5"	34.8	38.1	54	19.5
2.0"	47.5	50.8	66.7	19.5
2.5"	60.2	63.5	79.4	19.5
3.0"	72.9	76.2	92.1	19.5
4.0"	97.6	101.6	117.5	19.5
6.0"	146.86	152.4	169.1	23.5

RJT (BS) Unions



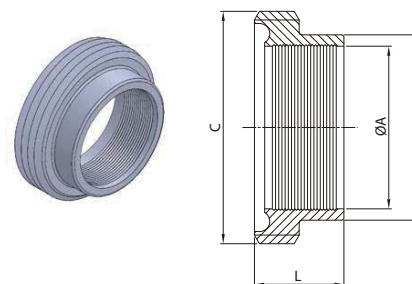
RJT-14R EXPANDING LINER

SIZE	ØA	ØB	ØC	L
1"	25.4	32.5	41.3	20
1.5"	38.1	45.2	54	24
2"	50.8	57.9	66.7	28
2.5"	63.5	70.6	79.4	32
3"	76.2	83.3	92.1	32
4"	101.6	108.7	117.5	32



RJT-15 WELDING MALE

SIZE	ØA	ØB	C	L
1/2"	9.6	13.7	21.2 *10TP WHIT	16.5
3/4"	16	20	27.6 *10TP WHIT	16.5
1.0"	22.1	25.4	45.72 *8TP WHIT	27
1.5"	34.8	38.1	58.42 *8TP WHIT	27
2.0"	47.5	50.8	72.72 *6TP WHIT	27
2.5"	60.2	63.5	85.42 *6TP WHIT	27
3.0"	72.9	76.2	98.12 *6TP WHIT	27
4.0"	97.6	101.6	123.52 *6TP WHIT	27
104	100	104	123.52 *6TP WHIT	27
6.0"	146.86	152.4	174.32 *6TP WHIT	24



RJT-15R EXPANDING MALE

SIZE	ØA	ØB	C	L
1"	25.4	32.5	45.72 *8TP WHIT	20
1.5"	38.1	45.2	58.42 *8TP WHIT	24
2"	50.8	57.9	72.72 *6TP WHIT	28
2.5"	63.5	70.6	85.42 *6TP WHIT	32
3"	76.2	83.3	98.12 *6TP WHIT	32
4"	101.6	108.7	123.52 *6TP WHIT	32

O-Ring

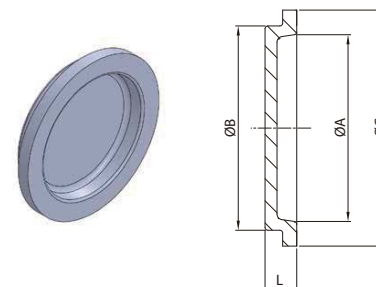
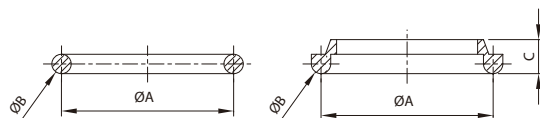


U Type



RJT-15 EXPANDING MALE

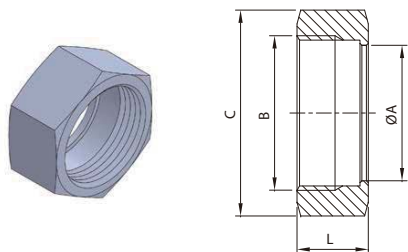
SIZE	ØA	ØB	C
1"	33.3	6.5	7
1.5"	46	6.5	7
2"	58.7	6.5	7
2.5"	71.4	6.5	7
3"	84.1	6.5	7
4"	109.5	6.5	7
6"	160.3	6.5	7



RJT-14B BLANK END CAP

SIZE	ØA	ØB	ØC	L
1"	27.8	32.5	41.3	9
1.5"	40.5	45.2	54	9
2"	53.2	57.9	66.7	9
2.5"	65.9	70.6	79.4	9
3"	78.6	83.3	92.1	9
4"/104	104	108.7	117.5	9

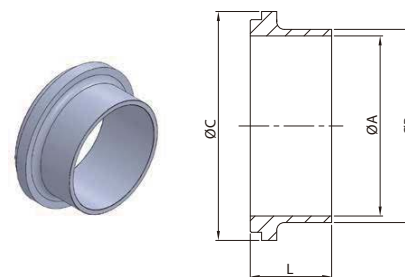
IDF/JIS Unions



IDF-13H Hex.nut

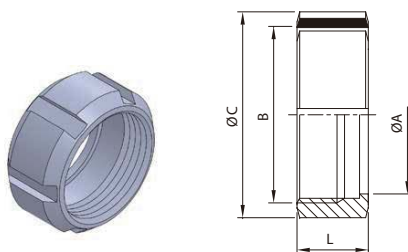
SIZE	ØA	B	C	L
1.0"	30.5	34.49x8T ACME	46	30
1.5"	43.5	48.01x8T ACME	60	30
2.0"	57	61.52x8T ACME	75	30
2.5"	70.7	75.03x8T ACME	90	30
3.0"	83.3	88.55x8T ACME	105	30
4.0"	112	122.2x6T ACME	133	34.9

IDF/JIS G3447 Unions



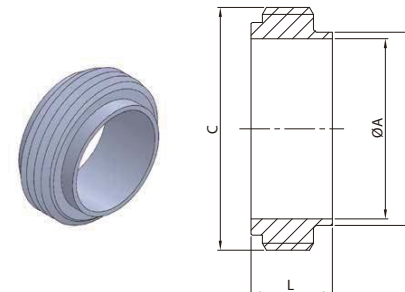
IDF-14 WELDING LINER

SIZE	ØA	IDF ØB	JIS ØA	JIS ØB	ØC	L
1"	22.1	25.4	23	25.4	33.8	21.5
1.5"	34.8	38.1	35.7	38.1	47	21.5
2"	47.5	50.8	47.8	50.8	60.5	21.5
2.5"	60.2	63.5	59.5	63.5	74	21.5
3"	72.9	76.2	72.3	76.3	87.5	21.5
R 4"	97.6	101.6	—	—	114	30
H 4"	97.6	101.6	97.6	101.6	120.6	30



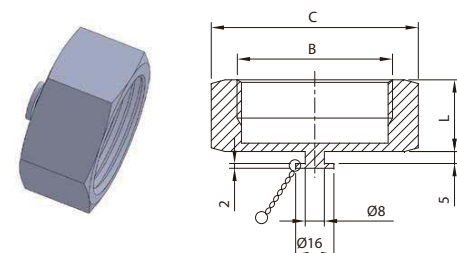
IDF-13R Rount nut

SIZE	ØA	B	ØC	L	Slots
1.0"	30.5	34.49x8T ACME	48	30	6
1.5"	43.5	48.01x8T ACME	64	30	6
2.0"	57	61.52x8T ACME	77	30	6
2.5"	70.7	75.03x8T ACME	91	30	6
3.0"	83.3	88.55x8T ACME	106	30	6
4.0"	110	115.56x8T ACME	135	34.9	6



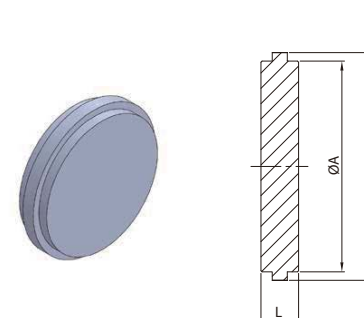
IDF-15 WELDING MALE

SIZE	ØA	IDF ØB	JIS ØA	JIS ØB	C	L
1"	22.1	25.4	23	25.4	36.97*8T ACME	21.5
1.5"	34.8	38.1	35.7	38.1	50.49*8T ACME	21.5
2"	47.5	50.8	47.8	50.8	64*8T ACME	21.5
2.5"	60.2	63.5	59.5	63.5	77.51*8T ACME	21.5
3"	72.9	76.2	72.3	76.3	91.03*8T ACME	21.5
R 4"	97.6	101.6	—	—	118.04*8T ACME	30
H 4"	97.6	101.6	97.6	101.6	125.69*6T ACME	30



IDF-13HBN Hex.blank nut

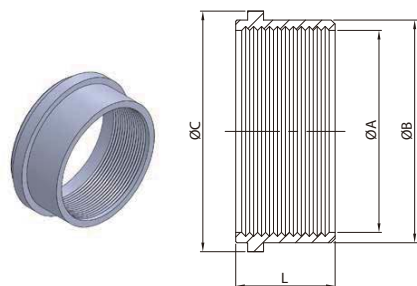
SIZE	B	C	L
1.0"	34.49x8T ACME	46	30
1.5"	48.01x8T ACME	60	30
2.0"	61.52x8T ACME	75	30
2.5"	75.03x8T ACME	90	30
3.0"	88.55x8T ACME	105	30
4.0"	122.2x6T ACME	133	34.9



IDF-14B BLANK END CAP

SIZE	ØA	ØB	L
1"	29.2	33.8	10.5
1.5"	42.7	47	10.5
2"	56.2	60.5	10.5
2.5"	69.9	74	10.5
3"	82.6	87.5	10.5
R 4"	108.8	114.1	12.6
H 4"	111.1	120.6	12.6

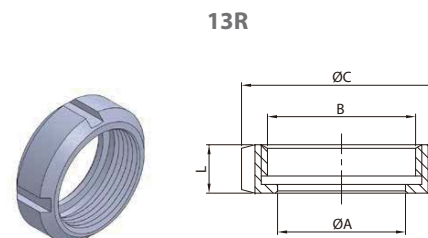
IDF/JIS G3447 Unions



IDF-14R RECESSLESS LINER

SIZE	ØA	ØB	ØC	L
1"	25.4	29.2	33.8	20
1.5"	38.1	42.7	47	20
2"	50.8	56.2	60.5	25
2.5"	63.5	69.9	74	30
3"	76.2	82.6	87.5	30
R 4"	101.6	108.8	114	30
H 4"	101.6	111.1	120.6	30

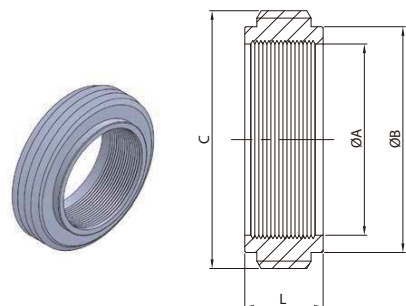
Wine Unions



13R

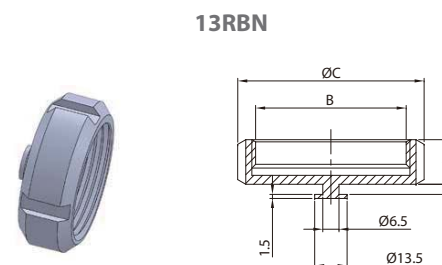
MACON NUT 4 SLOTS M-13R

SIZE	ØA	B	ØC	L
DN33	37	39*11TPI WHIT	50	25
DN43	47	M55*P3.0	70	25
DN53	57	M67*P3.0	80	25
DN63	67	M79*P3.5	95	25
DN73	77	M90*P3.5	106	25
DN83	90	M102*P4.0	118	25
DN103	112	M125*P4.0	139	26

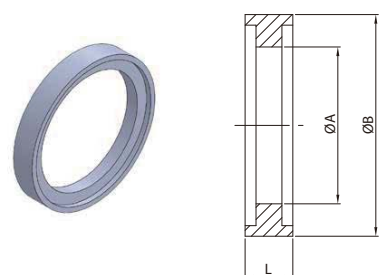


IDF-15R RECESSLESS MALE

SIZE	ØA	ØB	C	L
1"	25.4	29.2	36.97*8T ACME	19.5
1.5"	38.1	42.7	50.49*8T ACME	19.5
2"	50.8	56.2	64*8T ACME	19.5
2.5"	63.5	69.9	77.51*8T ACME	25
3"	76.2	82.6	91.03*8T ACME	30
R 4"	101.6	108.8	118.04*8T ACME	35
H 4"	101.6	111.1	125.69*6T ACME	35

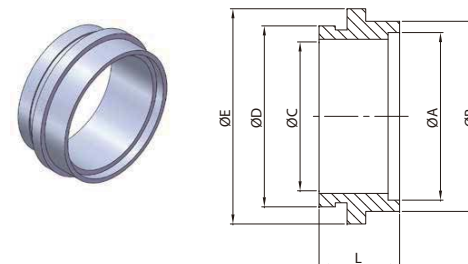


13RBN



IDF SEAL RING

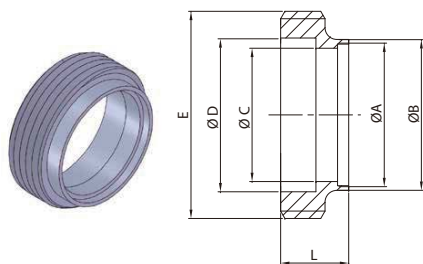
SIZE	ØA	ØB	L
1"	23	32.5	7
1.5"	36	46	7
2"	49	59.5	7
2.5"	60.7	73.2	7
3"	73.2	86.5	7
R 4"	98	113	7
H 4"	98	119.6	7



MACON LINER M-14

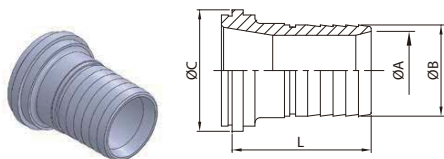
SIZE	ØA	ØB	ØC	ØD	ØE	L
DN33	33.3	36	28	31.5	38	22
DN38	38.2	46	35.9	44.5	50	29
DN40/43	43.3	46.3	40	44.5	50	22
DN51	51.2	56	48.5	54.5	62.5	29
DN50/53	53.3	56.3	50	54.5	62.5	22
DN60/63	63.3	66.3	60	64.5	73.5	22
DN70/73	73.3	76.3	70	74.5	85	22
DN76	72	76	70	74.5	85	22
DN80/83	83.3	86.3	80	84.5	96	22
DN103	104.2	108	100	104.5	119	22

Wine Unions



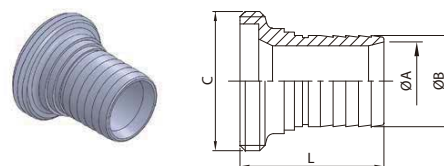
MACON MALE M-15

SIZE	ØA	ØB	ØC	ØD	E	L
DN33	33.3	36.3	30	32	40.5*11TPI WHIT	22
DN38	38.2	46	35.9	45	M55*P3.0	30
DN43	43.3	46.3	40	45	M55*P3.0	22
DN51	51.2	56	48.5	55	M67*P3.0	30
DN53	53.3	56.3	50	55	M67*P3.0	22
DN60/63	63.3	66.3	60	66	M79*P3.5	22
DN70/73	73.3	76.3	70	76	M90*P3.5	22
DN76	72	76	70	76	M90*P3.5	22
DN80/83	83.3	86.3	80	86	M102*P4.0	22
DN103	104.2	108	100	106	M125*P4.0	22



M-14AHR MACON LINER HOSE ADAPTER

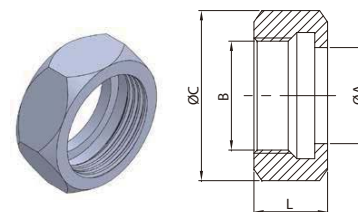
SIZE	ØA	ØB	ØC	L
DN40/43	40	43	50.8	79
DN50/53	50	53	63	79
DN60/63	59	53.2	75	102
DN70/73	70	73	85	79
DN80/83	71.5	75.5	97	110



M-15AHR MACON MALE HOSE ADAPTER

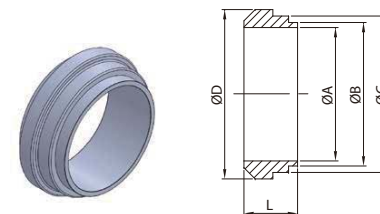
SIZE	ØA	ØB	C	L
DN40/43	40	43	M55*P3.0	79
DN50/53	50	53	M67*P3.0	79
DN60/63	59	53.2	M79*P3.5	104
DN70/73	70	73	M90*P3.5	79
DN80/83	71.5	75.5	M102*P4.0	112

3A Unions



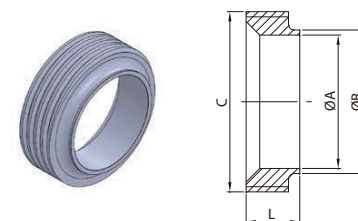
3A-13H HEXAGONAL NUT

SIZE	ØA	B	ØC	L
1"	30.3	38.02 ACME 8TPI	46	23
1.5"	43.4	51.54 ACME 8TPI	61.1	24.6
2"	56.5	65.05 ACME 8TPI	76.2	27
2.5"	69.6	78.56 ACME 8TPI	91.3	29.6
3"	82.7	92.08 ACME 8TPI	106.4	32.5
4"	108.9	120.14 ACME 6TPI	137.6	38.1



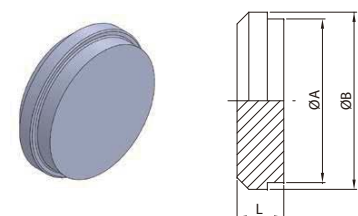
3A-14PRF SHORT BEVEL SEAT WELD LINER

SIZE	ØA	ØB	ØC	ØD	L
1"	22.1	25.4	29.5	33.3	18.3
1.5"	34.8	38.1	42.6	46.8	18.3
2"	47.5	50.8	55.7	60.3	19.1
2.5"	60.2	63.5	68.8	73.8	22.3
3"	72.9	76.2	81.9	87.3	23.1
4"	97.6	101.6	108.1	114.3	26.2



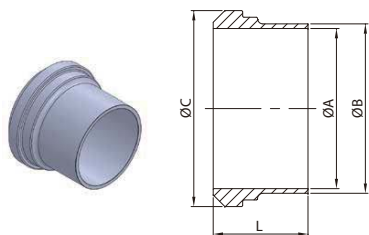
3A-15TRF SHORT BEVEL SEAT WELD MALE

SIZE	ØA	ØB	C	L
1"	22.1	25.4	36.97 ACME 8TPI	18.3
1.5"	34.8	38.1	50.49 ACME 8TPI	18.3
2"	47.5	50.8	64 ACME 8TPI	19.1
2.5"	60.2	63.5	77.51 ACME 8TPI	22.2
3"	72.9	76.2	91.03 ACME 8TPI	23.1
4"	97.6	101.6	119.04 ACME 6TPI	26.2



3A-16A BLANK END CAP

SIZE	ØA	ØB	L
1"	29.5	33.3	11.9
1.5"	42.6	46.8	14.3
2"	55.7	60.3	15.9
2.5"	68.8	73.8	16.7
3"	81.9	87.3	18.3
4"	108.1	114.3	20.6

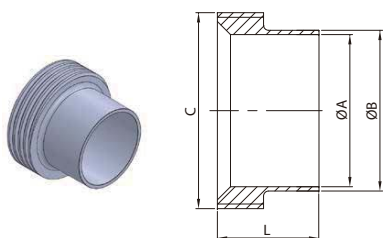


3A-14A LONG WELD LINER

SIZE	ØA	ØB	ØC	L
1"	22.1	25.4	33.3	34.9
1.5"	34.8	38.1	46.8	38.1
2"	47.5	50.8	60.3	38.1
2.5"	60.2	63.5	73.8	44.5
3"	72.9	76.2	87.3	44.5
4"	97.6	101.6	114.3	44.5

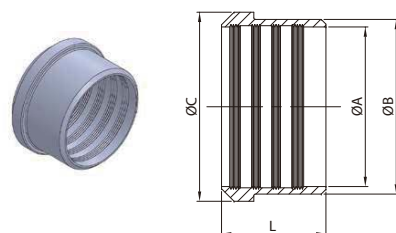
3A. SMS. DIN. BS. AS

**Tube Line / Elbow /
Tee / Reducer**



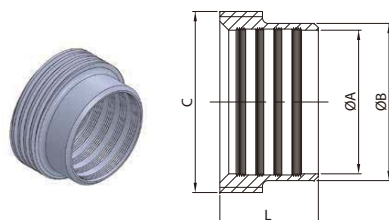
3A-15A LONG WELD MALE

SIZE	ØA	ØB	C	L
1"	22.1	25.4	36.97 ACME 8TPI	34.9
1.5"	34.8	38.1	50.49 ACME 8TPI	38.1
2"	47.5	50.8	64 ACME 8TPI	38.1
2.5"	60.2	63.5	77.51 ACME 8TPI	44.5
3"	72.9	76.2	91.03 ACME 8TPI	44.5
4"	97.6	101.6	119.04 ACME 6TPI	44.5



3A-14R RECESSLESS LINER

SIZE	ØA	ØB	ØC	L
1"	25.4	29.5	33.3	19.1
1.5"	38.1	42.6	46.8	28.6
2"	50.8	55.7	60.3	33.3
2.5"	63.5	68.8	73.8	34.9
3"	76.2	81.9	87.3	36.5
4"	101.6	108.1	114.3	38.1



3A-15R RECESSLESS MALE

SIZE	ØA	ØB	C	L
1"	25.4	29.5	36.97 ACME 8TPI	20.6
1.5"	38.1	42.6	50.49 ACME 8TPI	28.6
2"	50.8	55.7	64 ACME 8TPI	34.9
2.5"	63.5	68.8	77.51 ACME 8TPI	38.1
3"	76.2	81.9	91.03 ACME 8TPI	41.3
4"	101.6	108.1	119.04 ACME 6TPI	41.3



YH Wide Range Tube Line

YH tube fittings can be used for sanitary, pharmaceutical, vacuum...etc purposes.



It can be equipped with different types or connection ends, as 45°/90° elbow, tee, concentric/ eccentric reducer...weld, clamp, unions....

Standard type: 3A, SMS, DIN, BS, BPE...etc.

Material: ASTM 304, 316, 316L

Surface: 1) ID/OD polishing .

2) Only ID polishing .

3) Only OD polishing .

4) unpolished.

Roughness: #400, #320, #240, #180....

Ra≤0.8μm, 0.6μm, 0.5μm, 0.4μm.....

(Other surface finished can be ordered).

YH Sanitary Tubes For Biochemistry, Pharmaceutical, Food...etc.

3A STANDRD			BPE STANDRD			IDF STANDRD			SMS STANDRD			DIN EN10357 DIN11850/11865					ISO 1127 series 1			A size (JIS G3459)						
SIZE	O.D.	T	SIZE	O.D.	T	SIZE	O.D.	T	SIZE	O.D.	T	SIZE	O.D.	O.D.-Ø8	O.D.-Ø6	O.D.-Ø4	T	SIZE	O.D.	T	SIZE	O.D.	T	SIZE	O.D.	T
1/4"	6.35	1.245	1/4"	6.35	0.89	1.0"	25.4	1.2	DN25	25	1.25/1.5	DN6	—	—	8	1	DN6	10.3	1/1.2/1.6	6A	10.5	1	1.2	6A	10.5	1
3/8"	9.525	1.245	3/8"	9.53	0.89	1.25"	31.8	1.2	DN38	38	1.25/1.5	DN8	—	—	10	1	DN8	13.5	1/1.2/1.6	8A	13.8	1.2	1.65	8A	13.8	1.2
1/2"	12.7	1.65	1/2"	12.7	1.65	1.5"	38.1	1.2	DN50	51	1.25/1.5	DN10	12	13	13	1.5	DN10	17.2	1/1.6	10A	17.3	1.2	1.65	10A	17.3	1.2
3/4"	19.05	1.65	3/4"	19.05	1.65	2.0"	50.8	1.5	DN63	63.5	1.5	DN15	18	19	19	1.5	DN15	21.3	1/1.6	15A	21.7	1.65	2.1	15A	21.7	1.65
1.0"	25.4	1.65	1.0"	25.4	1.65	2.5"	63.5	2	DN76	76.1	1.6/2	DN20	22	23	23	1.5	DN20	26.9	1/1.6	20A	27.2	1.65	2.1	20A	27.2	1.65
1.5"	38.1	1.65	1.5"	38.1	1.65	3.0"	76.3	2	DN100	101.6/104	2	DN25	28	29	29	1.5	DN25	33.7	1.2/1.6	25A	34	1.65	2.8	25A	34	1.65
2.0"	50.8	1.65	2.0"	50.8	1.65	3.5"	89.1	2				DN32	34	35	35	1.5	DN32	42.4	1.6/2	32A	42.7	1.65	2.8	32A	42.7	1.65
2.5"	63.5	1.65	2.5"	63.5	1.65	4.0"	101.6	2				DN40	40	41	41	1.5	DN40	48.3	1.6/2	40A	48.6	1.65	2.8	40A	48.6	1.65
3.0"	76.2	1.65	3.0"	76.2	1.65	4.5"	114.3	3				DN50	52	53	53	1.5	DN50	60.3	1.6/2	50A	60.5	1.65	2.8	50A	60.5	1.65
4.0"	101.6	2.1	4.0"	101.6	2.11	5.5"	139.8	3				DN65	70	70	70	2	DN65	76.1	1.6/2	65A	76.3	2.1	3	65A	76.3	2.1
5.0"	127	2.77	6.0"	152.4	2.77	6.5"	165.2	3				DN80	85	85	85	2	DN80	88.9	1.6/2	80A	89.1	2.1	3	80A	89.1	2.1
6.0"	152.4	2.77										DN100	104	104	104	2	DN100	114.3	1.6/2	90A	101.6	2.1	3	90A	101.6	2.1
8.0"	203.2	2.77										DN125	129	129	129	2	DN125	139.7	1.6/2	100A	114.3	2.1	3	100A	114.3	2.1
10"	254	3.05										DN150	154	154	154	2	DN150	168.3	1.6/2	125A	139.8	2.8	3.4	125A	139.8	2.8
12"	304.8	3.05										DN200	204	204	204	2	DN200	219.1	2/2.6	150A	165.2	2.8	3.4	150A	165.2	2.8
												DN250	254			2	DN250	273	2/2.6	200A	216.3	2.8	4	200A	216.3	2.8
												DN300	306			3	DN300	323.9	2.6/3.2	250A	267.4	3.4	4	250A	267.4	3.4
																				300A	318.5	4	4.5	300A	318.5	4

YH Sanitary for food, and pharmaceutical industry

Material: ASTM 304, 304L, 316L

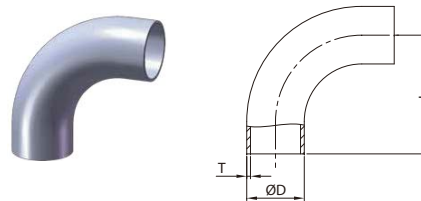
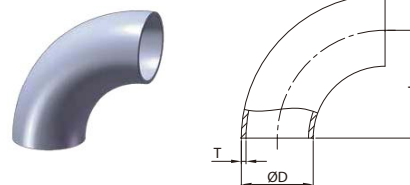
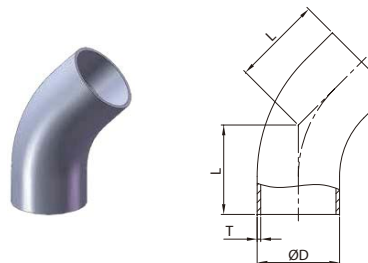
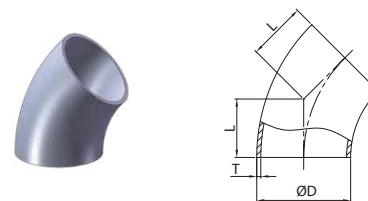
Spec: ASTM A269, A270.

Surface & Roughness:

1. OD/ID Pickle (Ra≤1.0μm)
2. Polished:
 - (1) ID Polished to 180Grit (Ra≤0.8μm).
 - (2) ID Polished to 240Grit (Ra≤0.6μm).
 - (3) ID Polished to 320Grit (Ra≤0.5μm).
 - (4) ID Polished to 420Grit (Ra≤0.4μm).
 - (5) Electro polished:
 - (5-1). ID Electro polished Ra≤0.5μm).
 - (5-2). ID Electro polished Ra≤0.38μm).



3A Tubular Items



2WK SHORT 45° ELBOW

SIZE	ØD	L	T
1/2"	12.7	7.9	1.65
3/4"	19.05	11.8	1.65
1"	25.4	15.8	1.65
1.5"	38.1	23.8	1.65
2"	50.8	31.75	1.65
2.5"	63.5	39.6	1.65
3"	76.2	47.6	1.65
4"	101.6	63.5	2.1
5"	127	78.91	2.77
6"	152.4	95.25	2.77
8.0"	203.2	126.25	3.05
10"	254	157.82	3.05
12"	304.8	189.38	3.05

L2KS LONG 45° ELBOW

SIZE	ØD	L	T
1/2"	12.7	30.2	1.65
3/4"	19.05	30.2	1.65
1"	25.4	30.2	1.65
1.5"	38.1	41.3	1.65
2"	50.8	58.7	1.65
2.5"	63.5	76.2	1.65
3"	76.2	93.7	1.65
4"	101.6	122.2	2.1
5"	127	142.41	2.77
6"	152.4	158.19	2.77
8"	203.2	189.75	3.05
10"	254	234.02	3.05
12"	304.8	265.58	3.05

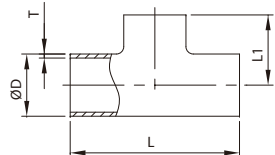
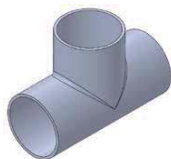
2WCL SHORT WELD 90° ELBOW

SIZE	ØD	L	T
1/2"	12.7	19.05	1.65
3/4"	19.05	28.58	1.65
1"	25.4	38.1	1.65
1.5"	38.1	57.2	1.65
2"	50.8	76.2	1.65
2.5"	63.5	95.25	1.65
3"	76.2	114.3	1.65
4"	101.6	152.4	2.1
5"	127	190.5	2.77
6"	152.4	228.6	2.77
8"	203.2	304.8	2.77
10"	254	381	3.05
12"	304.8	457.2	3.05

L2S LONG WELD 90° ELBOW

SIZE	ØD	L	T
1/2"	12.7	45	1.65
3/4"	19.05	60	1.65
1"	25.4	52.4	1.65
1.5"	38.1	74.6	1.65
2"	50.8	103.2	1.65
2.5"	63.5	131.8	1.65
3"	76.2	160.3	1.65
4"	101.6	211.1	2.1
5"	127	254	2.77
6"	152.4	292.1	2.77
8"	203.2	368.3	3.05
10"	254	457.2	3.05
12"	304.8	533.4	3.05

3A Tubular Items



7WWW SHORT EQUAL WELD TEE

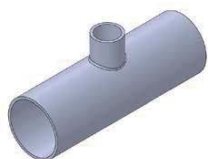
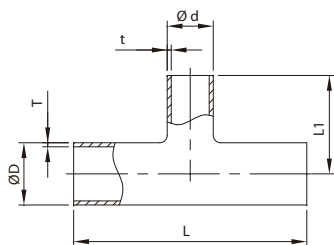
SIZE	ØD	L	L1	T
1/2"	12.7	38.1	19.05	1.65
3/4"	19.05	57.2	28.6	1.65
1.0"	25.4	57.2	28.6	1.65
1.5"	38.1	84.2	42.1	1.65
2.0"	50.8	104.8	52.4	1.65
2.5"	63.5	119	59.5	1.65
3.0"	76.2	131.8	65.9	1.65
4.0"	101.6	174.6	87.3	2.1
5.0"	127	254	127	2.77
6.0"	152.4	254	127	2.77
8.0"	203.2	355.6	177.8	3.05
10"	254	431.8	215.9	3.05
12"	304.8	508	254	3.05

7W LONG EQUAL WELD TEE

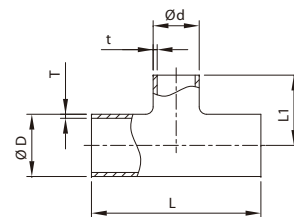
SIZE	ØD	L	L1	T
1/2"	12.7	95.2	47.6	1.65
3/4"	19.05	95.2	47.6	1.65
1.0"	25.4	95.2	47.6	1.65
1.5"	38.1	114.4	57.2	1.65
2.0"	50.8	152.4	76.2	1.65
2.5"	63.5	152.4	76.2	1.65
3.0"	76.2	165.2	82.6	1.65
4.0"	101.6	196.8	98.4	2.1
5.0"	127	285.8	142.9	2.77
6.0"	152.4	285.8	142.9	2.77
8.0"	203.2	355.6	177.8	3.05
10"	254	431.8	215.9	3.05
12"	304.8	508	254	3.05

7RW LONG REDUCING WELD TEE

SIZE	ØD	Ød	L	L1	T	t
3/4"×1/2"	19.05	12.7	95.5	47.6	1.65	1.65
1.0"×1/2"	25.4	12.7	95.5	25.4	1.65	1.65
1.0"×3/4"	25.4	19.05	95.5	28.45	1.65	1.65
1.5"×1/2"	38.1	12.7	114.3	31.75	1.65	1.65
1.5"×3/4"	38.1	19.05	114.3	35.05	1.65	1.65
1.5"×1.0"	38.1	25.4	114.3	53.98	1.65	1.65
2.0"×1/2"	50.8	12.7	152.4	38.1	1.65	1.65
2.0"×3/4"	50.8	19.05	152.4	41.4	1.65	1.65
2.0"×1.0"	50.8	25.4	152.4	60.3	1.65	1.65
2.0"×1.5"	50.8	38.1	152.4	63.5	1.65	1.65
2.5"×1.0"	63.5	25.4	152.4	69.85	1.65	1.65
2.5"×1.5"	63.5	38.1	152.4	69.85	1.65	1.65
2.5"×2.0"	63.5	50.8	152.4	82.55	1.65	1.65
3.0"×1.0"	76.2	25.4	165.1	79.38	1.65	1.65
3.0"×1.5"	76.2	38.1	165.1	76.2	1.65	1.65
3.0"×2.0"	76.2	50.8	165.1	88.9	1.65	1.65
3.0"×2.5"	76.2	63.5	165.1	82.55	1.65	1.65
4.0"×1.0"	101.6	25.4	196.8	92.08	2.1	1.65
4.0"×1.5"	101.6	38.1	196.8	92.08	2.1	1.65
4.0"×2.0"	101.6	50.8	196.8	101.6	2.1	1.65
4.0"×2.5"	101.6	63.5	196.8	95.25	2.1	1.65
4.0"×3.0"	101.6	76.2	196.8	95.25	2.1	1.65
6.0"×2.0"	152.4	50.8	285.8	120.65	2.77	1.65
6.0"×2.5"	152.4	63.5	285.8	120.65	2.77	1.65
6.0"×3.0"	152.4	76.2	285.8	120.65	2.77	1.65
6.0"×4.0"	152.4	101.6	285.8	123.8	2.77	2.1



3A Tubular Items

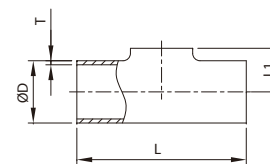


7RWS SHORT REDUCING WELD TEE

SIZE	ØD	Ød	L	L1	T	t
3/4"×1/2"	19.05	12.7	95.3	15.9	1.65	1.65
1.0"×1/2"	25.4	12.7	95.5	25.4	1.65	1.65
1.0"×3/4"	25.4	19.05	95.5	28.45	1.65	1.65
1.5"×1/2"	38.1	12.7	84.2	31.75	1.65	1.65
1.5"×3/4"	38.1	19.05	84.2	35.05	1.65	1.65
1.5"×1.0"	38.1	25.4	84.2	34.9	1.65	1.65
2.0"×1/2"	50.8	12.7	104.8	38.1	1.65	1.65
2.0"×3/4"	50.8	19.05	104.8	41.4	1.65	1.65
2.0"×1.0"	50.8	25.4	104.8	41.3	1.65	1.65
2.0"×1.5"	50.8	38.1	104.8	48.4	1.65	1.65
2.5"×1.0"	63.5	25.4	119	47.6	1.65	1.65
2.5"×1.5"	63.5	38.1	119	54.8	1.65	1.65
2.5"×2.0"	63.5	50.8	119	58.7	1.65	1.65
3.0"×1.0"	76.2	25.4	131.8	54	1.65	1.65
3.0"×1.5"	76.2	38.1	131.8	61.1	1.65	1.65
3.0"×2.0"	76.2	50.8	131.8	65.1	1.65	1.65
3.0"×2.5"	76.2	63.5	131.8	65.9	1.65	1.65
4.0"×1.0"	101.6	25.4	174.6	66.7	2.1	1.65
4.0"×1.5"	101.6	38.1	174.6	73.8	2.1	1.65
4.0"×2.0"	101.6	50.8	174.6	77.8	2.1	1.65
4.0"×2.5"	101.6	63.5	174.6	78.6	2.1	1.65
4.0"×3.0"	101.6	76.2	174.6	80.2	2.1	1.65
6.0"×1.0"	152.4	25.4	254	111	2.77	1.65
6.0"×1.5"	152.4	38.1	254	114.3	2.77	1.65
6.0"×2.0"	152.4	50.8	254	117.5	2.77	1.65
6.0"×2.5"	152.4	63.5	254	120.7	2.77	1.65
6.0"×3.0"	152.4	76.2	254	123.8	2.77	1.65
6.0"×4.0"	152.4	101.6	254	130.2	2.77	2.1

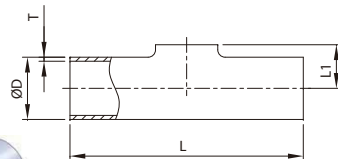
7WWS SHORT EQUAL PULL WITHOUT STRAIGHT WELD TEE

SIZE	ØD	L	L1	T
1.0"	25.4	57.2	16	1.65
1.5"	38.1	84.2	22	1.65
2.0"	50.8	104.8	29	1.65
2.5"	63.5	119	35	1.65
3.0"	76.2	131.8	41	1.65
4.0"	101.6	174.6	54	2.1

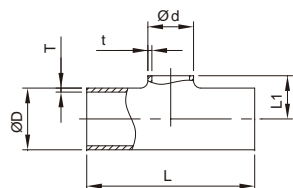


7WWS LONG EQUAL PULL WITHOUT STRAIGHT WELD TEE

SIZE	ØD	L	L1	T
1/2"	12.7	95.2	9.35	1.65
3/4"	19.05	95.2	12.525	1.65
1.0"	25.4	95.2	16	1.65
1.5"	38.1	114.4	22	1.65
2.0"	50.8	152.4	29	1.65
2.5"	63.5	152.4	35	1.65
3.0"	76.2	165.2	41	1.65
4.0"	101.6	196.8	54	2.1

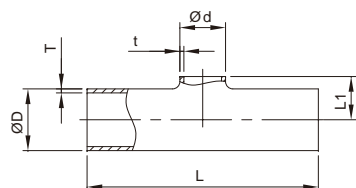


3A Tubular Items



7RWW SHORT REDUCING PULL WITHOUT STRAIGHT WELD TEE

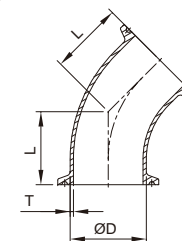
SIZE	ØD	Ød	L	L1	T	t
3/4"×1/2"	19.05	12.7	57.2	12.525	1.65	1.65
1.0"×1/2"	25.4	12.7	57.2	16	1.65	1.65
1.0"×3/4"	25.4	19.05	57.2	16	1.65	1.65
1.5"×1/2"	38.1	12.7	84.2	22	1.65	1.65
1.5"×3/4"	38.1	19.05	84.2	22	1.65	1.65
1.5"×1.0"	38.1	25.4	84.2	22	1.65	1.65
2.0"×1/2"	50.8	12.7	104.8	29	1.65	1.65
2.0"×3/4"	50.8	19.05	104.8	29	1.65	1.65
2.0"×1.0"	50.8	25.4	104.8	29	1.65	1.65
2.0"×1.5"	50.8	38.1	104.8	29	1.65	1.65
2.5"×1.0"	63.5	25.4	119	35	1.65	1.65
2.5"×1.5"	63.5	38.1	119	35	1.65	1.65
2.5"×2.0"	63.5	50.8	119	35	1.65	1.65
3.0"×1.0"	76.2	25.4	131.8	41	1.65	1.65
3.0"×1.5"	76.2	38.1	131.8	41	1.65	1.65
3.0"×2.0"	76.2	50.8	131.8	41	1.65	1.65
3.0"×2.5"	76.2	63.5	131.8	41	1.65	1.65
4.0"×1.0"	101.6	25.4	235	54	2.1	1.65
4.0"×1.5"	101.6	38.1	235	54	2.1	1.65
4.0"×2.0"	101.6	50.8	235	54	2.1	1.65
4.0"×2.5"	101.6	63.5	235	54	2.1	1.65
4.0"×3.0"	101.6	76.2	235	54	2.1	1.65



7RWW LONG REDUCING PULL WITHOUT STRAIGHT WELD TEE

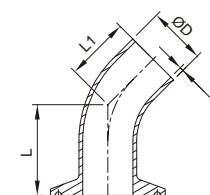
SIZE	ØD	Ød	L	L1	T	t
3/4"×1/2"	19.05	12.7	95.5	12.525	1.65	1.65
1.0"×1/2"	25.4	12.7	95.5	16	1.65	1.65
1.0"×3/4"	25.4	19.05	95.5	16	1.65	1.65
1.5"×1/2"	38.1	12.7	114.3	22	1.65	1.65
1.5"×3/4"	38.1	19.05	114.3	22	1.65	1.65
1.5"×1.0"	38.1	25.4	114.3	22	1.65	1.65
2.0"×1/2"	50.8	12.7	152.4	29	1.65	1.65
2.0"×3/4"	50.8	19.05	152.4	29	1.65	1.65
2.0"×1.0"	50.8	25.4	152.4	29	1.65	1.65
2.0"×1.5"	50.8	38.1	152.4	29	1.65	1.65
2.5"×1.0"	63.5	25.4	152.4	35	1.65	1.65
2.5"×1.5"	63.5	38.1	152.4	35	1.65	1.65
2.5"×2.0"	63.5	50.8	152.4	35	1.65	1.65
3.0"×1.0"	76.2	25.4	165.1	41	1.65	1.65
3.0"×1.5"	76.2	38.1	165.1	41	1.65	1.65
3.0"×2.0"	76.2	50.8	165.1	41	1.65	1.65
3.0"×2.5"	76.2	63.5	165.1	41	1.65	1.65
4.0"×1.0"	101.6	25.4	196.8	54	2.1	1.65
4.0"×1.5"	101.6	38.1	196.8	54	2.1	1.65
4.0"×2.0"	101.6	50.8	196.8	54	2.1	1.65
4.0"×2.5"	101.6	63.5	196.8	54	2.1	1.65
4.0"×3.0"	101.6	76.2	196.8	54	2.1	1.65

3A Tubular Items



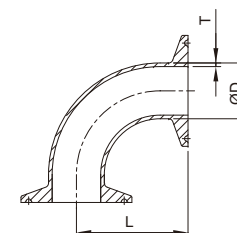
2KMP TRI-CLAMP 45° ELBOW

SIZE	ØD	L	T
1/2"	12.7	19.8	1.65
3/4"	19.05	24.6	1.65
1.0"	25.4	28.5	1.65
1.5"	38.1	36.5	1.65
2.0"	50.8	44.45	1.65
2.5"	63.5	52.3	1.65
3.0"	76.2	60.3	1.65
4.0"	101.6	76.2	2.1
5.0"	127	94.71	2.77
6.0"	152.4	117.5	2.77
8.0"	203.2	147.75	3.05
10"	254	179.32	3.05
12"	304.8	210.88	3.05



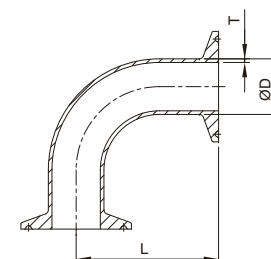
L2KM WELD/CLAMP 45° ELBOW

SIZE	ØD	L	L1	T
1.0"	25.4	42.9	30.2	1.65
1.5"	38.1	54	41.3	1.65
2.0"	50.8	71.4	58.7	1.65
2.5"	63.5	88.9	76.2	1.65
3.0"	76.2	106.4	93.7	1.65
4.0"	101.6	138	122.2	2.1



2CMP TRI-CLAMP 90° SHORT ELBOW

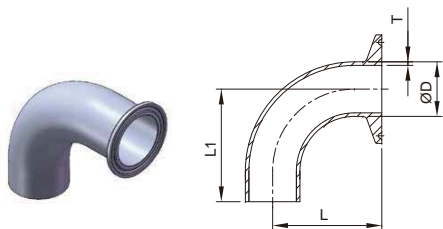
SIZE	ØD	L	T
1/2"	12.7	41.3	1.65
3/4"	19.05	41.3	1.65
1.0"	25.4	50.8	1.65
1.5"	38.1	69.9	1.65
2.0"	50.8	88.9	1.65
2.5"	63.5	107.95	1.65
3.0"	76.2	127	1.65
4.0"	101.6	168.2	2.1
5.0"	127	206.3	2.77
6.0"	152.4	250.8	2.77
8.0"	203.2	326.3	3.05
10"	254	402.5	3.05
12"	304.8	478.7	3.05



TRI-CLAMP 90° LONG ELBOW

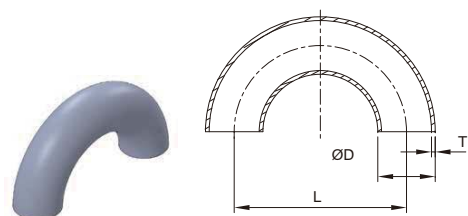
SIZE	ØD	L	T
1/2"	12.7	57.7	1.65
3/4"	19.05	72.7	1.65
1.0"	25.4	65.1	1.65
1.5"	38.1	87.3	1.65
2.0"	50.8	115.9	1.65
2.5"	63.5	144.5	1.65
3.0"	76.2	173	1.65
4.0"	101.6	226.9	2.1
5.0"	127	269.8	2.77
6.0"	152.4	313.6	2.77
8.0"	203.2	389.8	3.05
10"	254	478.7	3.05
12"	304.8	554.9	3.05

3A Tubular Items



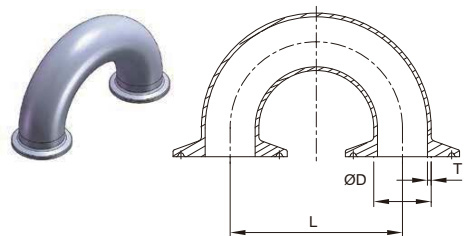
L2CM WELD/CLAMP 90° ELBOW

SIZE	ØD	L	L1	T
1.0"	25.4	65.1	52.4	1.65
1.5"	38.1	87.3	74.6	1.65
2.0"	50.8	115.9	103.2	1.65
2.5"	63.5	144.5	131.8	1.65
3.0"	76.2	173	160.3	1.65
4.0"	101.6	227	211.2	2.1



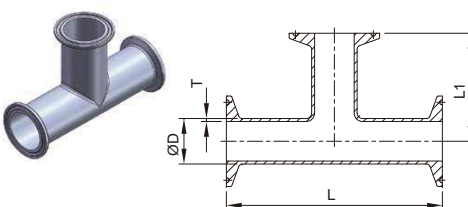
180° WELD ELBOW

SIZE	ØD	L	T
1/2"	12.7	38.1	1.65
3/4"	19.05	57.16	1.65
1.0"	25.4	76.2	1.65
1.5"	38.1	114.4	1.65
2.0"	50.8	152.4	1.65
2.5"	63.5	190.5	1.65
3.0"	76.2	228.6	1.65
4.0"	101.6	304.8	2.1
6.0"	152.4	457.2	2.77
8.0"	203.2	609.6	3.05
10"	254	762	3.05
12"	304.8	914.4	3.05



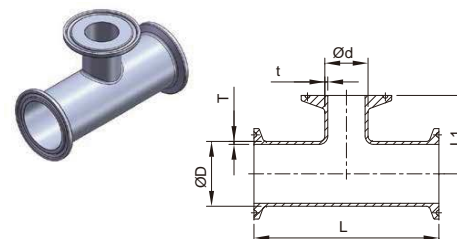
180° CLAMP ELBOW

SIZE	ØD	L	T
3/4"	19.05	57.16	1.65
1.0"	25.4	76.2	1.65
1.5"	38.1	114.4	1.65
2.0"	50.8	152.4	1.65
2.5"	63.5	190.5	1.65
3.0"	76.2	228.6	1.65
4.0"	101.6	304.8	2.1
6.0"	152.4	457.2	2.77
8.0"	203.2	609.6	3.05
10"	254	762	3.05
12"	304.8	914.4	3.05



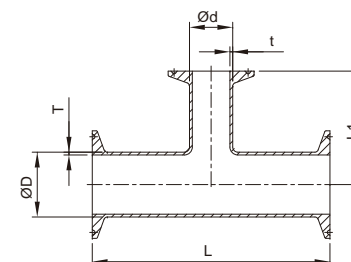
7MP TRI-CLAMP EQUAL TEE

SIZE	ØD	L	L1	T
1/2"	12.7	120.6	60.3	1.65
3/4"	19.05	120.6	60.3	1.65
1.0"	25.4	120.6	60.3	1.65
1.5"	38.1	139.8	69.9	1.65
2.0"	50.8	177.8	88.9	1.65
2.5"	63.5	177.8	88.9	1.65
3.0"	76.2	190.6	95.3	1.65
4.0"	101.6	228.4	114.2	2.1
5.0"	127	317.4	158.7	2.77
6.0"	152.4	330.2	165.1	2.77
8.0"	203.2	398.6	199.3	3.05
10"	254	474.8	237.4	3.05
12"	304.8	551	275.5	3.05



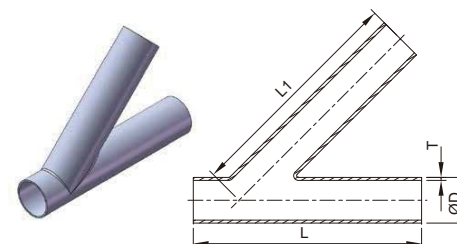
7RMP TRI-CLAMP REDUCING SHORT TEE

SIZE	ØD	Ød	L	L1	T	t
1.5"×1.0"	38.1	25.4	109.6	47.6	1.65	1.65
2.0"×1.5"	50.8	38.1	130.2	61.1	1.65	1.65
2.5"×2.0"	63.5	50.8	144.4	71.4	1.65	1.65
3.0"×2.0"	76.2	50.8	157.2	77.8	1.65	1.65
3.0"×2.5"	76.2	63.5	157.2	78.6	1.65	1.65
4.0"×2.0"	101.6	50.8	206.2	120.7	2.1	1.65
4.0"×2.5"	101.6	63.5	206.2	120.7	2.1	1.65
4.0"×3.0"	101.6	76.2	206.2	120.7	2.1	1.65



TRI-CLAMP REDUCING LONG TEE

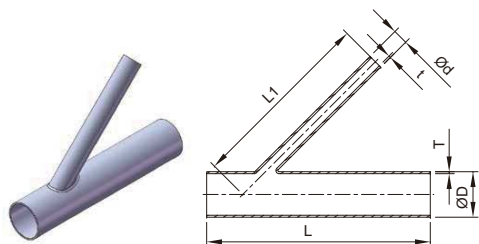
SIZE	ØD	Ød	L	L1	T	t
3/4"×1/2"	19.05	12.7	120.9	60.3	1.65	1.65
1.0"×1/2"	25.4	12.7	120.9	38.1	1.65	1.65
1.0"×3/4"	25.4	19.05	120.9	41.15	1.65	1.65
1.5"×1/2"	38.1	12.7	139.7	44.45	1.65	1.65
1.5"×3/4"	38.1	19.05	139.7	47.75	1.65	1.65
1.5"×1.0"	38.1	25.4	139.7	66.68	1.65	1.65
2.0"×1/2"	50.8	12.7	177.8	50.8	1.65	1.65
2.0"×3/4"	50.8	19.05	177.8	54.1	1.65	1.65
2.0"×1.0"	50.8	25.4	177.8	73	1.65	1.65
2.0"×1.5"	50.8	38.1	177.8	76.2	1.65	1.65
2.5"×1.0"	63.5	25.4	177.8	82.55	1.65	1.65
2.5"×1.5"	63.5	38.1	177.8	82.55	1.65	1.65
2.5"×2.0"	63.5	50.8	177.8	95.25	1.65	1.65
3.0"×1.0"	76.2	25.4	190.5	92.08	1.65	1.65
3.0"×1.5"	76.2	38.1	190.5	88.9	1.65	1.65
3.0"×2.0"	76.2	50.8	190.5	101.6	1.65	1.65
3.0"×2.5"	76.2	63.5	190.5	95.25	1.65	1.65
4.0"×1.0"	101.6	25.4	228.4	104.78	2.1	1.65
4.0"×1.5"	101.6	38.1	228.4	104.78	2.1	1.65
4.0"×2.0"	101.6	50.8	228.4	114.3	2.1	1.65
4.0"×2.5"	101.6	63.5	228.4	107.95	2.1	1.65
4.0"×3.0"	101.6	76.2	228.4	107.95	2.1	1.65
6.0"×2.0"	152.4	50.8	328.8	133.35	2.77	1.65
6.0"×2.5"	152.4	63.5	328.8	133.35	2.77	1.65
6.0"×3.0"	152.4	76.2	328.8	133.35	2.77	1.65
6.0"×4.0"	152.4	101.6	328.8	139.6	2.77	2.1



28WA 45° WELD EQUAL LATERALS

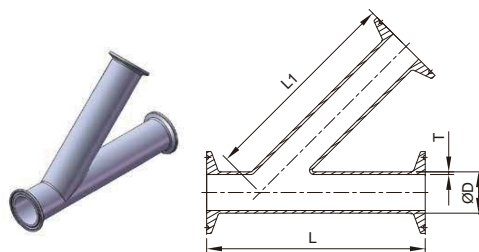
SIZE	ØD	L	L1	T
1/2"	12.7	152.4	127	1.65
3/4"	19.05	152.4	127	1.65
1.0"	25.4	152.4	127	1.65
1.5"	38.1	187.3	157.1	1.65
2.0"	50.8	222.3	181	1.65
2.5"	63.5	254	215.9	1.65
3.0"	76.2	273	225.4	1.65
4.0"	101.6	324	271.5	2.1
6.0"	152.4	470	374.7	2.77

3A Tubular Items



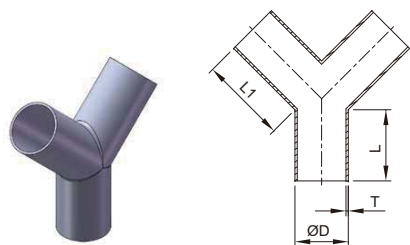
45° WELD REDUCING LATERALS

SIZE	ØD	Ød	L	L1	T	t
1.5"×1/2"	38.1	12.7	187.3	157.1	1.65	1.65
1.5"×1.0"	38.1	25.4	187.3	157.1	1.65	1.65
2.0"×1/2"	50.8	12.7	222.3	181	1.65	1.65
2.0"×3/4"	50.8	19.05	222.3	181	1.65	1.65
2.0"×1.0"	50.8	25.4	222.3	181	1.65	1.65
2.0"×1.5"	50.8	38.1	222.3	181	1.65	1.65



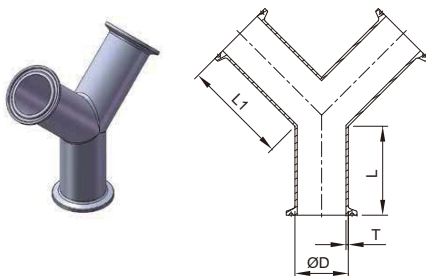
28AMP 45° CLAMP EQUAL LATERALS

SIZE	ØD	L	L1	T
1/2"	12.7	177.8	139.7	1.65
3/4"	19.05	177.8	139.7	1.65
1.0"	25.4	177.8	139.7	1.65
1.5"	38.1	212.7	169.8	1.65
2.0"	50.8	247.7	193.7	1.65
2.5"	63.5	279.4	228.6	1.65
3.0"	76.2	298.4	238.1	1.65
4.0"	101.6	355.6	287.3	2.1
6.0"	152.4	501.7	390.5	2.77



28W 90° Y TRUE WELD END

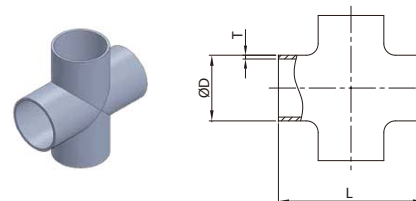
SIZE	ØD	L	L1	T
1/2"	12.7	48.17	48.17	1.65
3/4"	19.05	46.85	46.85	1.65
1.0"	25.4	50.8	61.9	1.65
1.5"	38.1	50.8	61.9	1.65
2.0"	50.8	66.7	82.6	1.65
2.5"	63.5	85.6	104.8	1.65
3.0"	76.2	101.6	123.8	1.65
4.0"	101.6	136.6	136.6	2.1
6.0"	152.4	171.64	171.46	2.77



28BMP 90° Y TRUE CLAMP END

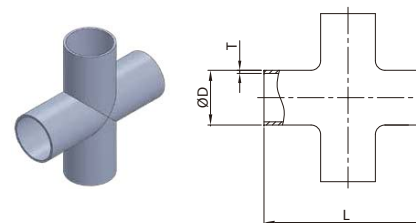
SIZE	ØD	L	L1	T
1/2"	12.7	60.87	60.87	1.65
3/4"	19.05	59.55	59.55	1.65
1.0"	25.4	63.5	74.6	1.65
1.5"	38.1	63.5	74.6	1.65
2.0"	50.8	79.4	95.3	1.65
2.5"	63.5	98.3	117.5	1.65
3.0"	76.2	114.3	136.5	1.65
4.0"	101.6	152.4	152.4	2.1
6.0"	152.4	193.14	193.14	2.77

3A Tubular Items



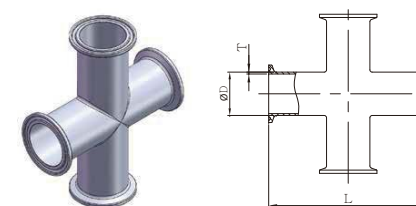
9WWW SHORT EQUAL WELD CROSS

SIZE	ØD	L	T
1/2"	12.7	38.1	1.65
3/4"	19.05	57.2	1.65
1"	25.4	57.2	1.65
1.5"	38.1	84.2	1.65
2"	50.8	104.8	1.65
2.5"	63.5	119	1.65
3"	76.2	131.8	1.65
4"	101.6	174.6	2.1



9W LONG EQUAL WELD CROSS

SIZE	ØD	L	T
1/2"	12.7	95.2	1.65
3/4"	19.05	95.2	1.65
1"	25.4	95.2	1.65
1.5"	38.1	114.4	1.65
2"	50.8	152.4	1.65
2.5"	63.5	152.4	1.65
3"	76.2	165.2	1.65
4"	101.6	196.8	2.1

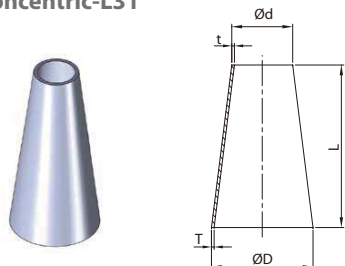


9MP CLAMP LONG CROSS

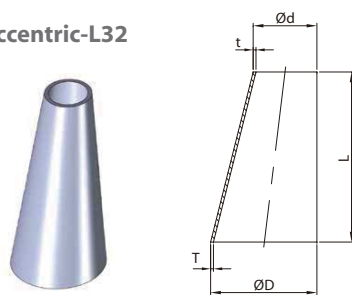
SIZE	ØD	L	T
1"	25.4	120.6	1.65
1.5"	38.1	139.8	1.65
2"	50.8	177.8	1.65
2.5"	63.5	177.8	1.65
3"	76.2	190.6	1.65
4"	101.6	228.4	2.1

3A Tubular Items

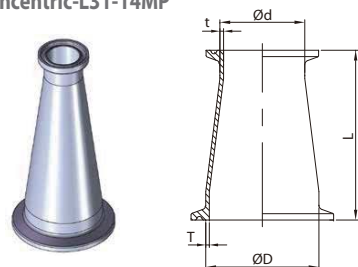
Concentric-L31



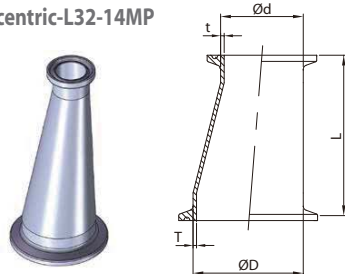
Eccentric-L32



Concentric-L31-14MP



Eccentric-L32-14MP



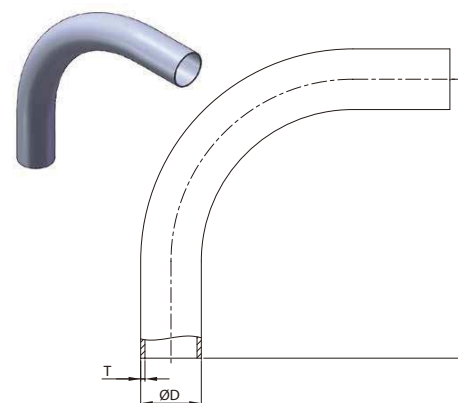
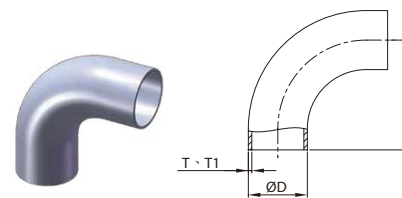
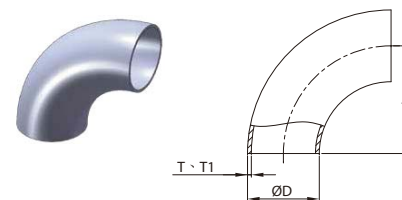
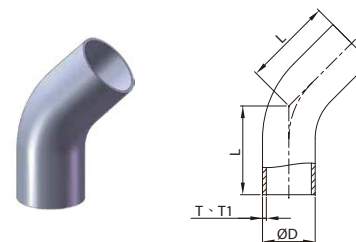
WELD REDUCERS

SIZE	ØD	Ød	L	T	t
3/4"×1/2"	19.05	12.7	25.4	1.65	1.65
1"×1/2"	25.4	12.7	50.8	1.65	1.65
1"×3/4"	25.4	19.05	25.4	1.65	1.65
1.5"×1/2"	38.1	12.7	101.6	1.65	1.65
1.5"×3/4"	38.1	19.05	76.2	1.65	1.65
1.5"×1"	38.1	25.4	50.8	1.65	1.65
2"×1/2"	50.8	12.7	152.4	1.65	1.65
2"×3/4"	50.8	19.05	127	1.65	1.65
2"×1"	50.8	25.4	101.6	1.65	1.65
2"×1.5"	50.8	38.1	50.8	1.65	1.65
2.5"×1"	63.5	25.4	152.4	1.65	1.65
2.5"×1.5"	63.5	38.1	101.6	1.65	1.65
2.5"×2"	63.5	50.8	50.8	1.65	1.65
3"×1"	76.2	25.4	203.2	1.65	1.65
3"×1.5"	76.2	38.1	152.4	1.65	1.65
3"×2"	76.2	50.8	101.6	1.65	1.65
3"×2.5"	76.2	63.5	50.8	1.65	1.65
4"×1"	101.6	25.4	304.8	2.1	1.65
4"×1.5"	101.6	38.1	254	2.1	1.65
4"×2"	101.6	50.8	203.2	2.1	1.65
4"×2.5"	101.6	63.5	152.4	2.1	1.65
4"×3"	101.6	76.2	101.6	2.1	1.65
6"×2"	152.4	50.8	139.7	2.77	1.65
6"×2.5"	152.4	63.5	139.7	2.77	1.65
6"×3"	152.4	76.2	139.7	2.77	1.65
6"×4"	152.4	101.6	139.7	2.77	2.1

TRI-CLAMP REDUCERS

SIZE	ØD	Ød	L	T	t
3/4"×1/2"	19.05	12.7	50.8	1.65	1.65
1"×1/2"	25.4	12.7	76.2	1.65	1.65
1"×3/4"	25.4	19.05	50.8	1.65	1.65
1.5"×1/2"	38.1	12.7	127	1.65	1.65
1.5"×3/4"	38.1	19.05	101.6	1.65	1.65
1.5"×1"	38.1	25.4	76.2	1.65	1.65
2"×1/2"	50.8	12.7	177.8	1.65	1.65
2"×3/4"	50.8	19.05	152.4	1.65	1.65
2"×1"	50.8	25.4	127	1.65	1.65
2.5"×1"	63.5	25.4	177.8	1.65	1.65
2"×1.5"	50.8	38.1	76.2	1.65	1.65
2.5"×1.0"	63.5	25.4	177.8	1.65	1.65
2.5"×1.5"	63.5	38.1	127	1.65	1.65
2.5"×2"	63.5	50.8	76.2	1.65	1.65
3"×1"	76.2	25.4	228.6	1.65	1.65
3"×1.5"	76.2	38.1	177.8	1.65	1.65
3"×2"	76.2	50.8	127	1.65	1.65
3"×2.5"	76.2	63.5	76.2	1.65	1.65
4"×1.0"	101.6	25.4	333.3	2.1	1.65
4"×1.5"	101.6	38.1	282.5	2.1	1.65
4"×2"	101.6	50.8	231.7	2.1	1.65
4"×2.5"	101.6	63.5	180.9	2.1	1.65
4"×3"	101.6	76.2	130.1	2.1	1.65
6"×2"	152.4	50.8	173.9	2.77	1.65
6"×2.5"	152.4	63.5	173.9	2.77	1.65
6"×3"	152.4	76.2	173.9	2.77	1.65
6"×4"	152.4	101.6	177	2.77	2.1

SMS Tubular Items



L2KS1D LONG 45° ELBOW

SIZE	ØD	L	T	T1
DN25	25	42.33	1.25	1.5
DN38	38	48.72	1.25	1.5
DN50	51	58.15	1.25	1.5
DN63	63.5	75.3	1.5	1.5
DN76	76.1	79.37	1.6	2
DN100	101.6/104	85.54	2	2

2WCL SHORT 90° ELBOW

SIZE	ØD	L	T	T1
DN25	25	37.5	1.25	1.5
DN38	38	57	1.25	1.5
DN50	51	76.5	1.25	1.5
DN63	63.5	95.25	1.5	1.5
DN76	76.1	114.15	1.6	2
DN100	101.6/104	152.1	2	2

L2S1D LONG 90° ELBOW

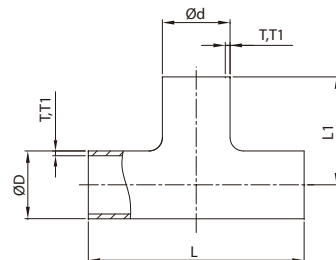
SIZE	ØD	L	T	T1
DN25	25	55	1.25	1.5
DN38	38	70	1.25	1.5
DN50	51	82	1.25	1.5
DN63	63.5	105	1.5	1.5
DN76	76.1	110	1.6	2
DN100	101.6/104	150	2	2

LONG 90° ELBOW (3D)

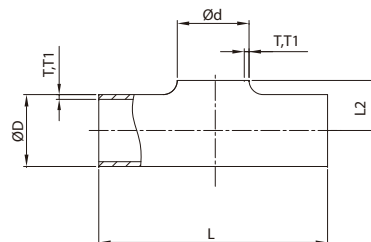
SIZE	ØD	L	T
DN25	25	115	1.2
DN38	38	138	1.2
DN40	40	170	1.5
DN50	51	180	1.2
DN63	63.5	230	1.5
DN76	76.1	250	1.6

SMS Tubular Items

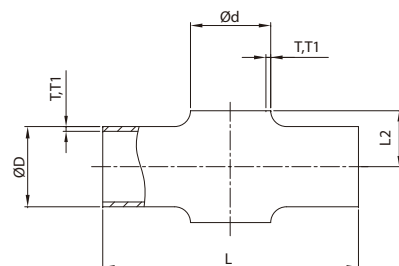
SMS 7W
Tee With Stright-End



SMS 7WO
TEE Without Straight-End

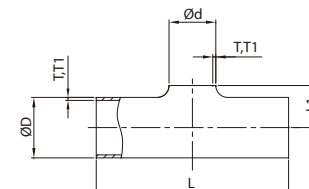


SMS 9WO
Welding Cross Without Straight-End

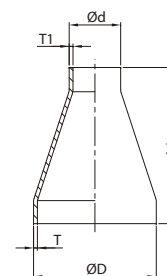


SIZE	ØD	Ød	L	L1	L2	T	T1
DN25	25	25	110	55	14	1.25	1.5
DN38	38	38	140	70	21	1.25	1.5
DN50	51	51	164	82	28.5	1.25	1.5
DN63	63.5	63.5	210	105	36	1.5	1.5
DN76	76.1	76.1	220	110	43	1.6	2
DN100	104	104	300	150	58	2	2

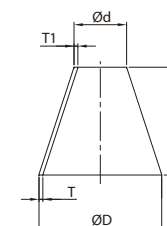
SMS Tubular Items



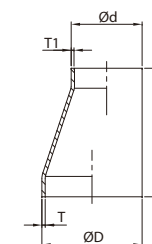
SMS L31SE
Concentric Reducer



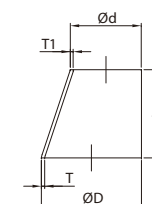
SMS L31
Concentric Reducer



SMS L32SE
Eccentric Reducer



SMS L32
Eccentric Reducer



7RW0

WELDING REDUCING TEE WITHOUT STRAIGHT-END

SIZE	ØD	Ød	L	L1	T	T1
38*25	38	25	140	21	1.25	1.5
50*25	51	25	164	29	1.25	1.5
50*38	51	38	164	29	1.25	1.5
63*25	63.5	25	210	34.5	1.5	1.5
63*38	63.5	38	210	35	1.5	1.5
63*50	63.5	51	210	36	1.5	1.5
76*25	76.1	25	220	41	1.6	2
76*38	76.1	38	220	42	1.6	2
76*50	76.1	51	220	43	1.6	2
76*63	76.1	63.5	220	43	1.6	2
100*25	104	25	300	56	2	2
100*38	104	38	300	56	2	2
100*50	104	51	300	57	2	2
100*63	104	63.5	300	58	2	2
100*76	104	76.1	300	58	2	2

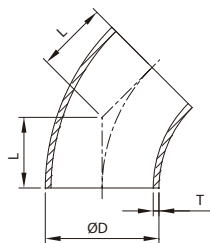
WELD REDUCER

SIZE	ØD	Ød	L	L1	T	T1
38*25	38	25	39	46	1.25	1.25
50*25	51	25	57	68	1.25	1.25
50*38	51	38	39	47	1.25	1.25
63*25	63.5	25	74	92	1.5	1.25
63*38	63.5	38	57	70	1.5	1.25
63*50	63.5	51	39	44	1.5	1.25
76*25	76.1	25	92	—	1.6	1.25
76*38	76.1	38	74	92	1.6	1.25
76*50	76.1	51	57	68	1.6	1.25
76*63	76.1	63.5	39	47	1.6	1.5
100*50	104	51	95	117	2	1.25
100*63	104	63.5	78	94	2	1.5
100*76	104	76.1	60	74	2	1.6

W/O STRAIGHT END REDUCER

SIZE	ØD	Ød	L1	T	T1
38*25	38	25	39	1.2	1.2
50*25	51	25	78	1.2	1.2
50*38	51	38	39	1.2	1.2
63*25	63.5	25	116	1.6	1.2
63*38	63.5	38	76	1.6	1.2
63*50	63.5	51	38	1.6	1.2
76*25	76.1	25	153	1.6	1.2
76*38	76.1	38	114	1.6	1.2
76*50	76.1	51	75	1.6	1.2
76*63	76.1	63.5	38	1.6	1.2
100*38	104	38	198	2	1.2
100*50	104	51	159	2	1.2
100*63	104	63.5	122	2	1.2
100*76	104	76.1	84	2	1.6

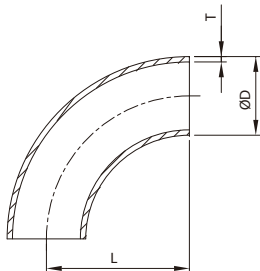
DIN Tubular Items



2WK SHORT 45° ELBOW

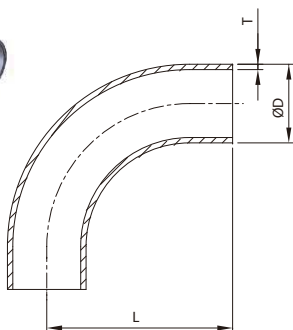
SIZE	ØD	L	T
DN10	12/13	10.77	1.5
DN15	18/19	14.5	1.5
DN20	22/23	16.6	1.5
DN25	28/29	20.7	1.5
DN32	34/35	22.8	1.5
DN40	40/41	24.9	1.5
DN50	52/53	29	1.5
DN65	70	33.1	2
DN80	85	37.3	2
DN100	104	41.4	2
DN125	129	77.67	2
DN150	154	93.2	2
DN200	204	124.26	2
DN250	254	155.33	2
DN300	306	186.4	3

2WCL SHORT 90° ELBOW



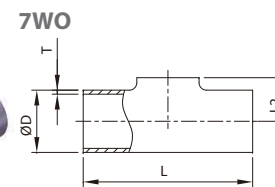
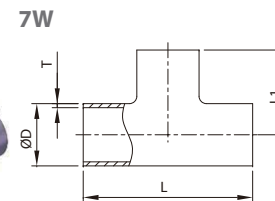
SIZE	ØD	L	T
DN10	12/13	26	1.5
DN15	18/19	35	1.5
DN20	22/23	40	1.5
DN25	28/29	50	1.5
DN32	34/35	55	1.5
DN40	40/41	60	1.5
DN50	52/53	70	1.5
DN65	70	80	2
DN80	85	90	2
DN100	101.6	152.4	2
	104	100	2
DN125	129	187.5	2
DN150	154	225	2
DN200	204	300	2
DN250	254	375	2
DN300	306	450	3

L2S LONG 90° ELBOW



SIZE	ØD	L	T
DN10	12/13	51	1.5
DN15	18/19	60	1.5
DN20	22/23	52	1.5
DN25	28/29	65	1.5
DN32	34/35	73	1.5
DN40	40/41	80	1.5
DN50	52/53	92	1.5
DN65	70	105	2
DN80	85	119	2
DN100	101.6	175	2
	104	140	2
DN125	129	251	2
DN150	154	288.5	2
DN200	204	363.5	2
DN250	254	451.2	2
DN300	306	526.2	3

DIN Tubular Items

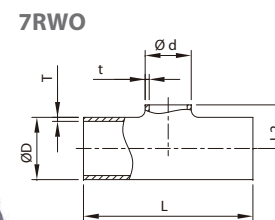
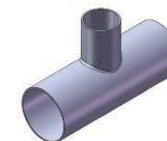
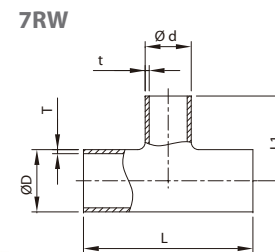


TEE & PULL TEE

SIZE	ØD	L	L1	L2	T
DN10	12/13	52	26	11	1.5
DN15	18/19	70	35	11	1.5
DN20	22/23	80	40	13	1.5
DN25	28/29	100	50	16	1.5
DN32	34/35	110	55	19.5	1.5
DN40	40/41	120	60	23	1.5
DN50	52/53	140	70	30	1.5
DN65	70	160	80	40	2
DN80	85	180	90	47.5	2
DN100	101.6	300	150	56	2
	104	200	100	58	2
DN125	129	375	187.5	74	2
DN150	154	450	225	90	2
DN200	204	600	300	115	2
DN250	254	600	300	140	2
DN300	306	600	300	166	3

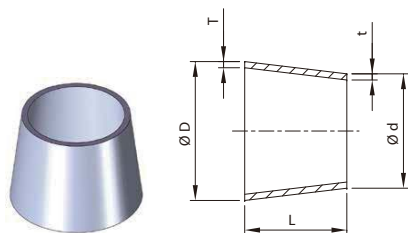
REDUCING TEE & REDUCING PULL TEE

SIZE	ØD	Ød	L	L1	L2	T	t
15*10	18/19	12/13	70	29	10.5	1.5	1.5
20*10	22/23	12/13	80	31	12.5	1.5	1.5
20*15	22/23	18/19	80	37	13	1.5	1.5
25*15	28/29	18/19	100	40	16	1.5	1.5
25*20	28/29	22/23	100	43	16	1.5	1.5
32*15	34/35	18/19	110	43	19	1.5	1.5
32*20	34/35	22/23	110	46	19	1.5	1.5
32*25	34/35	28/29	110	53	19	1.5	1.5
40*20	40/41	22/23	120	49	22	1.5	1.5
40*25	40/41	28/29	120	56	22	1.5	1.5
40*32	40/41	34/35	120	58	22.5	1.5	1.5
50*25	52/53	28/29	140	62	28	1.5	1.5
50*32	52/53	34/35	140	64	28.5	1.5	1.5
50*40	52/53	40/41	140	66	29	1.5	1.5
65*32	70	34/35	160	72.5	37	2	1.5
65*40	70	40/41	160	74.5	37.5	2	1.5
65*50	70	52/53	160	78.5	38.5	2	1.5
80*40	85	40/41	180	82	45	2	1.5
80*50	85	52/53	180	86	46	2	1.5
80*65	85	70	180	87.5	47.5	2	2
100*50	104	52/53	200	95.5	55.5	2	1.5
100*65	104	70	200	97	57	2	2
100*80	104	85	200	99.5	57	2	2
125*65	129	70	375	109.5	69.5	2	2
125*80	129	85	375	112	69.5	2	2
125*100	129	104	375	112.5	70.5	2	2
150*80	154	85	450	124.5	82	2	2
150*100	154	104	450	125	83	2	2
150*125	154	129	450	200	86.5	2	2
200*100	204	104	600	150	108	2	2
200*125	204	129	600	225	111.5	2	2
200*150	204	154	600	250	115	2	2



DIN Tubular Items

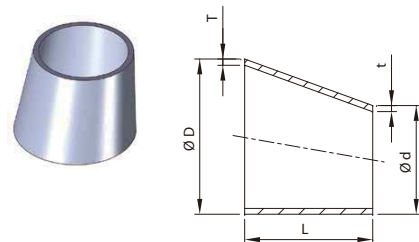
L31



CONCENTRIC REDUCER

SIZE	ØD	Ød	L	T	t
15*10	18/19	12/13	11	1.5	1.5
20*10	22/23	12/13	18	1.5	1.5
20*15	22/23	18/19	7	1.5	1.5
25*15	28/29	18/19	18	1.5	1.5
25*20	28/29	22/23	11	1.5	1.5
32*20	34/35	22/23	22	1.5	1.5
32*25	34/35	28/29	25	1.5	1.5
40*20	40/41	22/23	33	1.5	1.5
40*25	40/41	28/29	23	1.5	1.5
40*32	40/41	34/35	23	1.5	1.5
50*25	52/53	28/29	27	1.5	1.5
50*32	52/53	34/35	28	1.5	1.5
50*40	52/53	40/41	27	1.5	1.5
65*25	70	28/29	35	2	1.5
65*40	70	40/41	39	2	1.5
65*50	70	52/53	29	2	1.5
80*50	85	52/53	45	2	1.5
80*65	85	70	33	2	2
100*50	104	52/53	50	2	1.5
100*65	104	70	44	2	2
100*80	104	85	60	2	2
125*80	129	85	79	2	2
125*100	129	104	45	2	2
150*100	154	104	90	2	2
150*125	154	129	45	2	2
200*150	204	154	90	2	2

L32



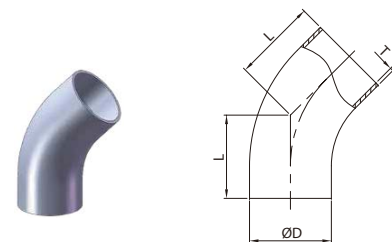
ECCENTRIC REDUCER

SIZE	ØD	Ød	L	T	t
32*25	34/35	28/29	16.5	1.5	1.5
40*25	40/41	28/29	33	1.5	1.5
40*32	40/41	34/35	16.5	1.5	1.5
50*25	52/53	28/29	66	1.5	1.5
50*32	52/53	34/35	49.5	1.5	1.5
50*40	52/53	40/41	33	1.5	1.5
65*40	70	40/41	77	2	1.5
65*50	70	52/53	44	2	1.5
80*50	85	52/53	85	2	1.5
80*65	85	70	41.2	2	2
100*50	104	52/53	137.5	2	1.5
100*65	104	70	93.5	2	2
100*80	104	85	52.5	2	2

180° WELD ELBOW

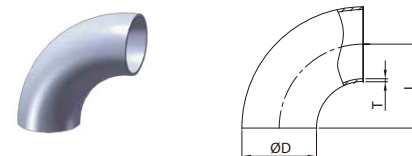
SIZE	ØD	L	T
DN10	12/13	52	1.5
DN15	18/19	70	1.5
DN20	22/23	80	1.5
DN25	28/29	100	1.5
DN32	34/35	110	1.5
DN40	40/41	120	1.5
DN50	52/53	140	1.5
DN65	70	160	2
DN80	85	180	2
DN100	104	200	2
DN125	129	375	2

BS Tubular Items



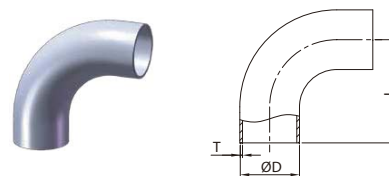
L2KS LONG 45° ELBOW

SIZE	ØD	L	T
1"	25.4	30.2	1.65
1.5"	38.1	41.3	1.65
2"	50.8	58.7	1.65
2.5"	63.5	76.2	1.65
3"	76.2	93.7	1.65
4"	101.6	122.2	2.1



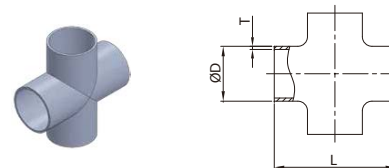
2WCL SHORT WELD 90° ELBOW

SIZE	ØD	L	T
1"	25.4	43.5	1.65
1.5"	38.1	63.5	1.65
2"	50.8	88.5	1.65
2.5"	63.5	113.5	1.65
3"	76.2	133.5	1.65
4"	101.6	173.5	2.1



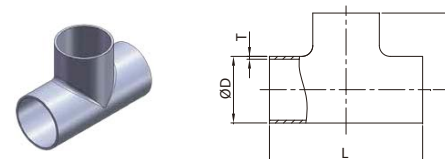
L2S LONG WELD 90° ELBOW

SIZE	ØD	L	T
1/2"	12.7	45	1.65
3/4"	19.05	60	1.65
1"	25.4	65	1.65
1.5"	38.1	85	1.65
2"	50.8	110	1.65
2.5"	63.5	135	1.65
3"	76.2	155	1.65
4"	101.6	195	2.1



9W LONG CROSS

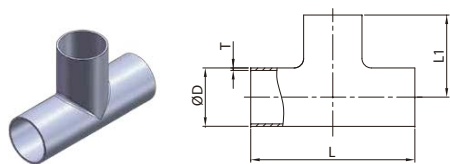
SIZE	ØD	L	T
1"	25.4	130	1.65
1.5"	38.1	170	1.65
2"	50.8	220	1.65
2.5"	63.5	270	1.65
3"	76.2	310	1.65
4"	101.6	390	2.1



7WWW SHORT TEE

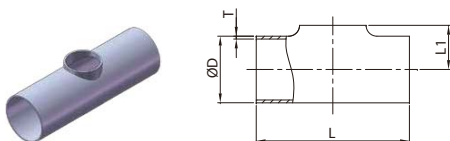
SIZE	ØD	L	L1	T
1"	25.4	87	43.5	1.65
1.5"	38.1	127	63.5	1.65
2"	50.8	177	88.5	1.65
2.5"	63.5	227	113.5	1.65
3"	76.2	267	133.5	1.65
4"	101.6	347	173.5	2.1

BS Tubular Items



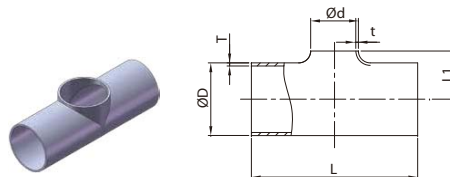
7W LONG TEE

SIZE	ØD	L	L1	T
1/2"	12.7	108	54	1.65
3/4"	19.05	108	54	1.65
1"	25.4	130	65	1.65
1.5"	38.1	170	85	1.65
2"	50.8	220	110	1.65
2.5"	63.5	270	135	1.65
3"	76.2	310	155	1.65
4"	101.6	390	195	2.1



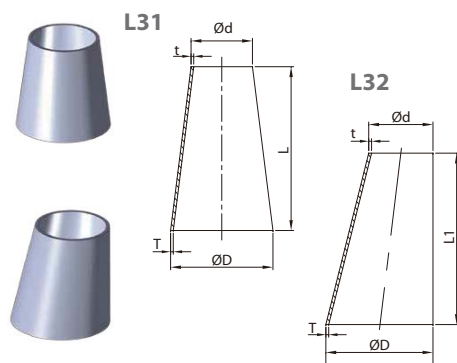
7WO PULL TEE

SIZE	ØD	L	L1	T
1"	25.4	87	13.8	1.65
1.5"	38.1	127	19.9	1.65
2"	50.8	177	27.6	1.65
2.5"	63.5	227	34.9	1.65
3"	76.2	267	42.9	1.65
4"	101.6	347	54.7	2.1



7RWO REDUCING PULL TEE

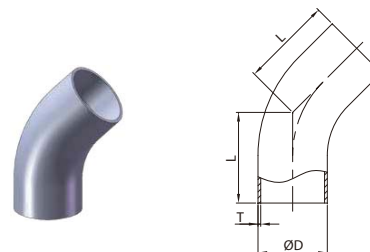
SIZE	ØD	Ød	L	L1	T	t
1.0"*1/2"	25.4	12.7	100	27	1.65	1.65
1.0"*3/4"	25.4	19.05	100	27	1.65	1.65
1.5"*1"	38.1	25.4	127	22	1.65	1.65
2.0"*1/2"	50.8	12.7	177	27.4	1.65	1.65
2.0"*3/4"	50.8	19.05	177	27.4	1.65	1.65
2"*1"	50.8	25.4	177	29	1.65	1.65
2"*1.5"	50.8	38.1	177	29	1.65	1.65
2.5"*1"	63.5	25.4	227	35	1.65	1.65
2.5"*1.5"	63.5	38.1	227	35	1.65	1.65
2.5"*2"	63.5	50.8	227	35	1.65	1.65
3"*1"	76.2	25.4	267	41	1.65	1.65
3"*1.5"	76.2	38.1	267	41	1.65	1.65
3"*2"	76.2	50.8	267	41	1.65	1.65
3"*2.5"	76.2	63.5	267	41	1.65	1.65
4"*1"	101.6	25.4	347	55	2.1	1.65
4"*1.5"	101.6	38.1	347	55	2.1	1.65
4"*2"	101.6	50.8	347	55	2.1	1.65
4"*2.5"	101.6	63.5	347	55	2.1	1.65
4"*3"	101.6	76.2	347	55	2.1	1.65



WELD REDUCERS

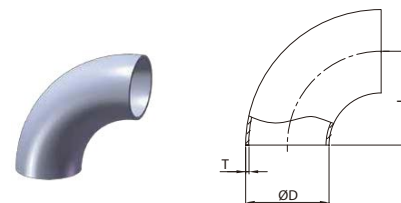
SIZE	ØD	Ød	L	L1	T	t
3/4"*1/2"	19.05	12.7	—	25.4	1.65	1.65
1"*1/2"	25.4	12.7	25.4	38.1	1.65	1.65
1"*3/4"	25.4	19.05	25.4	25.4	1.65	1.65
1.5"*1"	38.1	25.4	48	33	1.65	1.65
2"*1"	50.8	25.4	50	66	1.65	1.65
2"*1.5"	50.8	38.1	66	33	1.65	1.65
2.5"*1"	63.5	25.4	68	73	1.65	1.65
2.5"*1.5"	63.5	38.1	48	68	1.65	1.65
2.5"*2"	63.5	50.8	66	39	1.65	1.65
3"*1"	76.2	25.4	98	95	1.65	1.65
3"*1.5"	76.2	38.1	75	70	1.65	1.65
3"*2"	76.2	50.8	70	48	1.65	1.65
3"*2.5"	76.2	63.5	72	40	1.65	1.65
4"*1.5"	101.6	38.1	60	98	2.1	1.65
4"*2"	101.6	50.8	60	98	2.1	1.65
4"*2.5"	101.6	63.5	76	70	2.1	1.65
4"*3"	101.6	76.2	50	77	2.1	1.65

AS Tubular Items



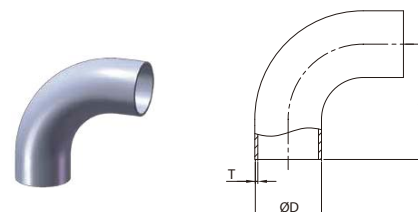
L2KS LONG 45° ELBOW

SIZE	ØD	L	T
1/2"	12.7	37.91	1.6
3/4"	19.1	41.85	1.6
1"	25.4	45.78	1.6/2
1.25"	31.8	49.76	1.6/2
1.5"	38.1	53.61	1.6/2
2"	50.8	61.56	1.6/2
2.5"	63.5	69.35	1.6/2
3"	76.2	77.3	1.6/2
4"	101.6	93.13	1.6/2



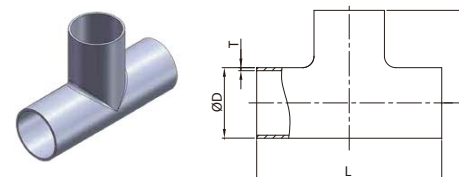
2WCL SHORT WELD 90° ELBOW

SIZE	ØD	L	T
1/2"	12.7	19.1	1.6
3/4"	19.1	28.6	1.6
1"	25.4	38.1	1.6/2
1.25"	31.8	47.7	1.6/2
1.5"	38.1	57	1.6/2
2"	50.8	76.2	1.6/2
2.5"	63.5	95	1.6/2
3"	76.2	114.2	1.6/2
4"	101.6	152.4	1.6/2
6"	152.4	228.5	1.6/2



L2S LONG WELD 90° ELBOW

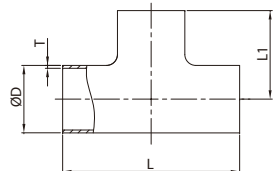
SIZE	ØD	L	T
1/2"	12.7	49.1	1.6/2
3/4"	19.1	58.6	1.6/2
1"	25.4	68.1	1.6/2
1.25"	31.8	77.7	1.6/2
1.5"	38.1	87	1.6/2
2"	50.8	106.2	1.6/2
2.5"	63.5	125	1.6/2
3"	76.2	144.2	1.6/2
4"	101.6	182.4	1.6/2



7W LONG EQUAL WELD TEE

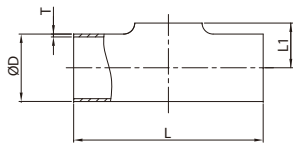
SIZE	ØD	L	L1	T
1/2"	12.7	98.2	49.1	1.6/2
3/4"	19.1	117.2	58.6	1.6/2
1"	25.4	136.2	68.1	1.6/2
1.25"	31.8	155.4	77.7	1.6/2
1.5"	38.1	174	87	1.6/2
2"	50.8	212.4	106.2	1.6/2
2.5"	63.5	250	125	1.6/2
3"	76.2	288.4	144.2	1.6/2
4"	101.6	364.8	182.4	1.6/2

AS Tubular Items



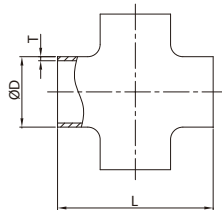
7WWW SHORT EQUAL WELD TEE

SIZE	ØD	L	L1	T
1/2"	12.7	38.2	19.1	1.6/2
3/4"	19.1	57.2	28.6	1.6/2
1"	25.4	76.2	38.1	1.6/2
1.25"	31.8	95.4	47.7	1.6/2
1.5"	38.1	114	57	1.6/2
2"	50.8	152.4	76.2	1.6/2
2.5"	63.5	190	95	1.6/2
3"	76.2	228.4	144.2	1.6/2
4"	101.6	304.8	152.4	1.6/2



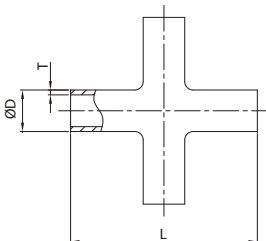
7WO EQUAL TEE W/O STRAIGHT END

SIZE	ØD	L	L1	T
1/2"	12.7	38.2	9.35	1.6/2
3/4"	19.1	57.2	12.55	1.6/2
1"	25.4	76.2	15.7	1.6/2
1.25"	31.8	95.4	18.9	1.6/2
1.5"	38.1	114	22.05	1.6/2
2"	50.8	152.4	28.4	1.6/2
2.5"	63.5	190	34.75	1.6/2
3"	76.2	228.4	41.1	1.6/2
4"	101.6	304.8	53.8	1.6/2



9WWW SHORT CROSS WELD END

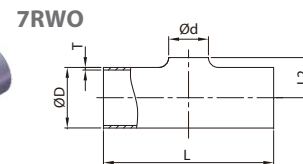
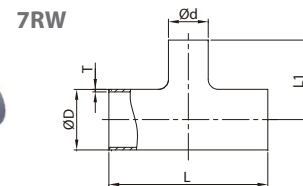
SIZE	ØD	L	T
1/2"	12.7	38.2	1.6/2
3/4"	19.1	57.2	1.6/2
1"	25.4	76.2	1.6/2
1.25"	31.8	95.4	1.6/2
1.5"	38.1	114	1.6/2
2"	50.8	152.4	1.6/2
2.5"	63.5	190	1.6/2
3"	76.2	228.4	1.6/2
4"	101.6	304.8	1.6/2



9W LONG CROSS WELD END

SIZE	ØD	L	T
1/2"	12.7	98.2	1.6/2
3/4"	19.1	117.2	1.6/2
1"	25.4	136.2	1.6/2
1.25"	31.8	155.4	1.6/2
1.5"	38.1	174	1.6/2
2"	50.8	212.4	1.6/2
2.5"	63.5	250	1.6/2
3"	76.2	288.4	1.6/2
4"	101.6	364.8	1.6/2

AS Tubular Items

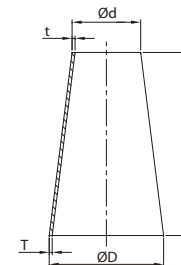


REDUCING TEE/REDUCING TEE

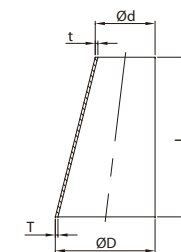
SIZE	ØD	Ød	L	L1	L2	T
1.5"*1"	38.1	25.4	160	80	22.05	1.6/2
2"*1"	50.8	25.4	160	80	28.4	1.6/2
2"*1.5"	50.8	38.1	160	80	28.4	1.6/2
2.5"*1.5"	63.5	38.1	160	80	34.75	1.6/2
2.5"*2"	63.5	50.8	160	80	37.75	1.6/2
3"*1.5"	76.2	38.1	160	80	41.1	1.6/2
3"*2"	76.2	50.8	160	80	41.1	1.6/2
3"*2.5"	76.2	63.5	190.5	95.3	41.1	1.6/2
4"*2"	101.6	50.8	160	80	53.8	1.6/2
4"*2.5"	101.6	63.5	190.5	95.3	53.8	1.6/2
4"*3"	101.6	76.2	228.6	114.3	53.8	1.6/2



L31



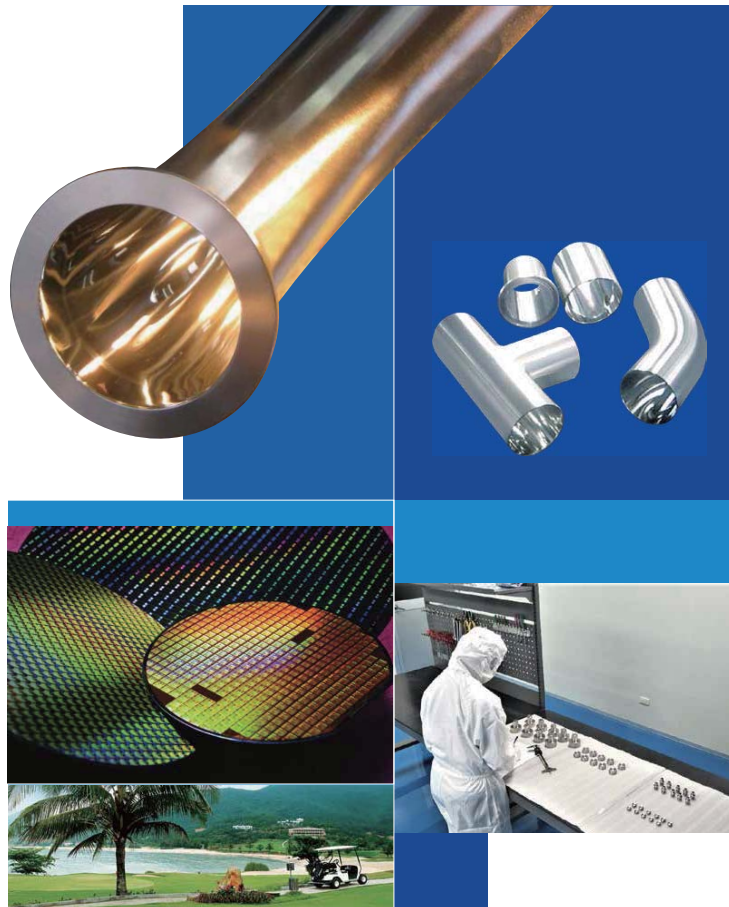
L32



CONCENTRIC REDUCER/ECCENTRIC REDUCER

SIZE	ØD	Ød	L	T	t
3/4"*1/2"	19.1	12.7	19.1	1.6/2	1.6/2
1"*1/2"	25.4	12.7	25.4	1.6/2	1.6/2
1"*3/4"	25.4	19.1	25.4	1.6/2	1.6/2
1.25"*3/4"	31.8	19.1	31.8	1.6/2	1.6/2
1.25"*1"	31.8	25.4	31.8	1.6/2	1.6/2
1.5"*3/4"	38.1	19.1	38.1	1.6/2	1.6/2
1.5"*1"	38.1	25.4	38.1	1.6/2	1.6/2
1.5"*1.25"	38.1	31.8	38.1	1.6/2	1.6/2
2"*1/2"	50.8	12.7	50.8	1.6/2	1.6/2
2"*3/4"	50.8	19.1	50.8	1.6/2	1.6/2
2"*1"	50.8	25.4	50.8	1.6/2	1.6/2
2"*1.25"	50.8	31.8	50.8	1.6/2	1.6/2
2.5"*1"	63.5	25.4	63.5	1.6/2	1.6/2
2.5"*1.25"	63.5	31.8	63.5	1.6/2	1.6/2
2.5"*1.5"	63.5	38.1	63.5	1.6/2	1.6/2
2.5"*2"	63.5	50.8	63.5	1.6/2	1.6/2
3"*1"	76.2	25.4	76.2	1.6/2	1.6/2
3"*1.25"	76.2	31.8	76.2	1.6/2	1.6/2
3"*1.5"	76.2	38.1	76.2	1.6/2	1.6/2
3"*2"	76.2	50.8	76.2	1.6/2	1.6/2
3"*2.5"	76.2	63.5	76.2	1.6/2	1.6/2
4"*1"	101.6	25.4	101.6	1.6/2	1.6/2
4"*1.25"	101.6	31.8	101.6	1.6/2	1.6/2
4"*1.5"	101.6	38.1	101.6	1.6/2	1.6/2
4"*2"	101.6	50.8	101.6	1.6/2	1.6/2
4"*2.5"	101.6	63.5	101.6	1.6/2	1.6/2
4"*3"	101.6	76.2	101.6	1.6/2	1.6/2
5"*2"	127	50.8	127	1.6/2	1.6/2
5"*3"	127	76.2	127	1.6/2	1.6/2
5"*4"	127	101.6	127	1.6/2	1.6/2
6"*2"	152.4	50.8	152.4	1.6/2	1.6/2
6"*2.5"	152.4	63.5	152.4	1.6/2	1.6/2
6"*3"	152.4	76.2	152.4	1.6/2	1.6/2
6"*4"	152.4	101.6	152.4	1.6/2	1.6/2
6"*5"	152.4	127	152.4	1.6/2	1.6/2

Semi-conductor Fitty Tube



YH SEMI-CONDUCTOR/MICRO-ELECTRONICS

YH developed our semiconductor, vacuum pipe fitting and components step by step by means of good produce techniques experience of sanitary pipe fitting and valve.

Our Vacuum and semiconductor fitting include:

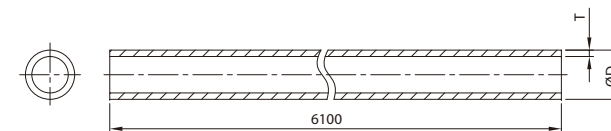
Clamp-Aluminum and Stainless steel and claw clamp are available. Flange-KF, ISO specification.

Reducer-Blank flange and all of Elbow, Tee, Reducer. $Ra \leq 0.4\mu m$ by machine and polished can be provided on requested. We also can offer Electro-polished and blasted surfaces.

So far our products have been successful promoted to Germany, U.K, Japan and local building projects base on our flexible produce ability and strict control.

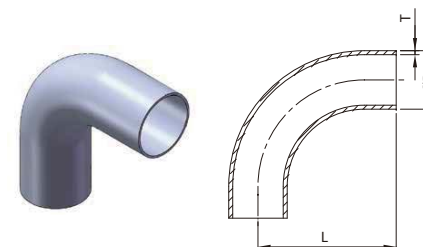


Vacuum Components (A size)



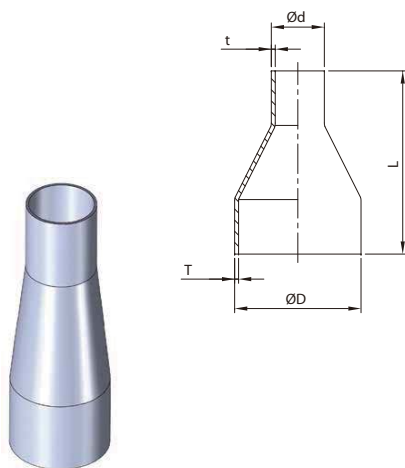
	SIZE	ØD	T
6A	1/8"	10.5	1
8A	1/4"	13.8	1.2
10A	3/8"	17.3	1.2
15A	1/2"	21.7	1.65
20A	3/4"	27.2	1.65
25A	1.0"	34	1.65
32A	1.25"	42.7	1.65
40A	1.5"	48.6	1.65
50A	2.0"	60.5	1.65
65A	2.5"	76.3	2.1
80A	3.0"	89.1	2.1
90A	3.5"	101.6	2.1
100A	4.0"	114.3	2.1

SCF 90° ELBOW



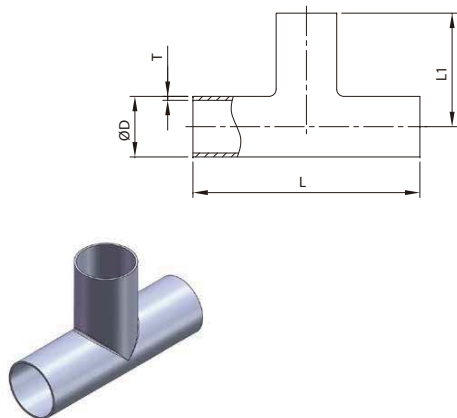
SIZE	ØD	L	T
10A	17.3	60	1.2
15A	21.7	65	1.65
20A	27.2	70	1.65
25A	34	75	1.65
32A	42.7	90	1.65
40A	48.6	104	1.65
50A	60.5	123	1.65
65A	76.3	115	2.1
80A	89.1	128	2.1
100A	114.3	153	2.1

Vacuum Components (A size)



SCF CONCENTRIC REDUCER

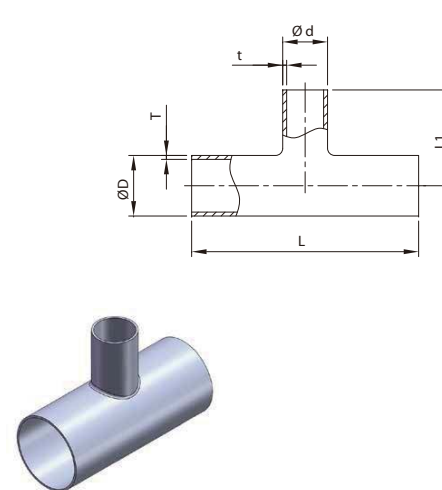
SIZE	ØD	Ød	L	T	t
20A*15A	27.2	21.7	120	1.65	1.65
25A*15A	34	21.7	125	1.65	1.65
25A*20A	34	27.2	125	1.65	1.65
32A*15A	42.7	21.7	139	1.65	1.65
32A*20A	42.7	27.2	139	1.65	1.65
32A*25A	42.7	34	139	1.65	1.65
40A*20A	48.6	27.2	152	1.65	1.65
40A*25A	48.6	34	152	1.65	1.65
40A*32A	48.6	42.7	162	1.65	1.65
50A*20A	60.5	27.2	164	1.65	1.65
50A*25A	60.5	34	164	1.65	1.65
50A*32A	60.5	42.7	174	1.65	1.65
50A*40A	60.5	48.6	174	1.65	1.65
65A*32A	76.3	42.7	192	2.1	1.65
65A*40A	76.3	48.6	192	2.1	1.65
65A*50A	76.3	60.5	192	2.1	1.65
80A*32A	89.1	42.7	192	2.1	1.65
80A*40A	89.1	48.6	192	2.1	1.65
80A*50A	89.1	60.5	192	2.1	1.65
80A*65A	89.1	76.3	197	2.1	2.1
100A*40A	114.3	48.6	205	2.1	1.65
100A*50A	114.3	60.5	205	2.1	1.65
100A*65A	114.3	76.3	210	2.1	2.1
100A*80A	114.3	89.1	210	2.1	2.1



SCF EQUAL WELD TEE

SIZE	ØD	L	L1	T
10A	17.3	100	50	1.2
15A	21.7	110	55	1.65
20A	27.2	110	55	1.65
25A	34	120	60	1.65
32A	42.7	150	75	1.65
40A	48.6	160	80	1.65
50A	60.5	170	85	1.65
65A	76.3	200	100	2.1
80A	89.1	210	105	2.1
100A	114.3	240	120	2.1

Vacuum Components (A size)

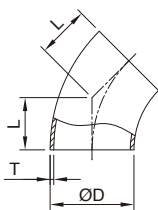


SCF REDUCING TEE

SIZE	ØD	Ød	L	L1	T	t
20A*15A	27.2	21.7	110	55	1.65	1.65
25A*15A	34	21.7	120	60	1.65	1.65
25A*20A	34	27.2	120	60	1.65	1.65
32A*15A	42.7	21.7	140	70	1.65	1.65
32A*20A	42.7	27.2	140	70	1.65	1.65
32A*25A	42.7	34	140	70	1.65	1.65
40A*15A	48.6	21.7	140	70	1.65	1.65
40A*20A	48.6	27.2	140	70	1.65	1.65
40A*25A	48.6	34	140	70	1.65	1.65
40A*32A	48.6	42.7	160	80	1.65	1.65
50A*15A	60.5	21.7	140	75	1.65	1.65
50A*20A	60.5	27.2	140	75	1.65	1.65
50A*25A	60.5	34	140	75	1.65	1.65
50A*32A	60.5	42.7	160	85	1.65	1.65
50A*40A	60.5	48.6	160	85	1.65	1.65
65A*15A	76.3	21.7	150	85	2.1	1.65
65A*20A	76.3	27.2	150	85	2.1	1.65
65A*25A	76.3	34	150	85	2.1	1.65
65A*32A	76.3	42.7	180	95	2.1	1.65
65A*40A	76.3	48.6	180	95	2.1	1.65
65A*50A	76.3	60.5	180	95	2.1	1.65
80A*15A	89.1	21.7	150	90	2.1	1.65
80A*20A	89.1	27.2	150	90	2.1	1.65
80A*25A	89.1	34	150	90	2.1	1.65
80A*32A	89.1	42.7	180	100	2.1	1.65
80A*40A	89.1	48.6	180	100	2.1	1.65
80A*50A	89.1	60.5	180	100	2.1	1.65
80A*65A	89.1	76.3	200	105	2.1	2.1
100A*15A	114.3	21.7	150	100	2.1	1.65
100A*20A	114.3	27.2	150	100	2.1	1.65
100A*25A	114.3	34	150	100	2.1	1.65
100A*32A	114.3	42.7	180	110	2.1	1.65
100A*40A	114.3	48.6	180	110	2.1	1.65
100A*50A	114.3	60.5	180	110	2.1	1.65
100A*65A	114.3	76.3	210	120	2.1	2.1
100A*80A	114.3	89.1	210	120	2.1	2.1

Vacuum Components (USA type)

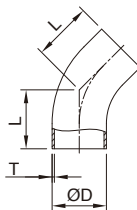
45° Short Elbow



45° Elbow

SIZE	ØD	L	T
1.0"	25.4	15.8	1.65
1.5"	38.1	23.8	1.65
2.0"	50.8	31.75	1.65
2.5"	63.5	39.6	1.65
3.0"	76.2	47.6	1.65
4.0"	101.6	63.5	2.1

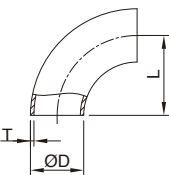
45° Long Elbow



45° Elbow

SIZE	ØD	L	T
1.0"	25.4	30.2	1.65
1.5"	38.1	41.3	1.65
2.0"	50.8	58.7	1.65
2.5"	63.5	76.2	1.65
3.0"	76.2	93.7	1.65
4.0"	101.6	122.2	2.1

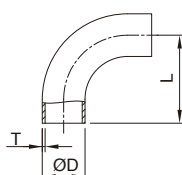
90° Short Elbow



90° Bend

SIZE	ØD	L	T
1.0"	25.4	38.1	1.65
1.5"	38.1	57.2	1.65
2.0"	50.8	76.2	1.65
2.5"	63.5	95.25	1.65
3.0"	76.2	114.3	1.65
4.0"	101.6	152.4	2.1

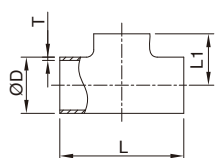
90° Long Elbow



90° Bend

SIZE	ØD	L	T
1.0"	25.4	52.4	1.65
1.5"	38.1	74.6	1.65
2.0"	50.8	103.2	1.65
2.5"	63.5	131.8	1.65
3.0"	76.2	160.3	1.65
4.0"	101.6	211.1	2.1

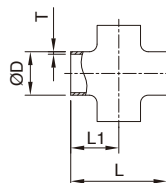
Welding Tee



Tee

SIZE	ØD	L	L1	T
1.0"	25.4	95.2	47.6	1.65
1.5"	38.1	114.4	57.2	1.65
2.0"	50.8	152.4	76.2	1.65
2.5"	63.5	152.4	76.2	1.65
3.0"	76.2	165.2	82.6	1.65
4.0"	101.6	196.8	98.4	2.1

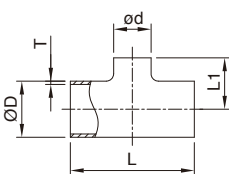
Cross



Cross

SIZE	ØD	L	L1	T
1.0"	25.4	95.2	47.6	1.65
1.5"	38.1	114.4	57.2	1.65
2.0"	50.8	152.4	76.2	1.65
2.5"	63.5	152.4	76.2	1.65
3.0"	76.2	165.2	82.6	1.65
4.0"	101.6	196.8	98.4	2.1

Reducing Tee

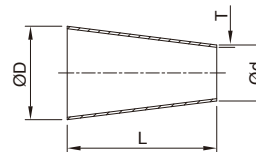


Reducing Tee

SIZE	ØD	Ød	L	L1	T
1.5"x1.0"	38.1	25.4	114.3	53.98	1.65
2.0"x1.0"	50.8	25.4	152.4	60.3	1.65
2.0"x1.5"	50.8	38.1	152.4	63.5	1.65
2.5"x1.5"	63.5	38.1	152.4	69.85	1.65
2.5"x2.0"	63.5	50.8	152.4	82.55	1.65
3.0"x1.5"	76.2	38.1	165.1	76.2	1.65
3.0"x2.0"	76.2	50.8	165.1	88.90	1.65
3.0"x2.5"	76.2	63.5	165.1	82.55	1.65
4.0"x2.0"	101.6	50.8	196.8	101.6	2.1
4.0"x2.5"	101.6	63.5	196.8	95.25	2.1
4.0"x3.0"	101.6	76.2	196.8	95.25	2.1

Vacuum Components (USA type)

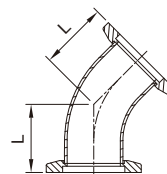
Concentric Reducer



Concentric Reducer

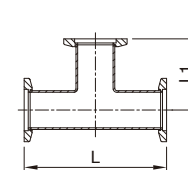
SIZE	ØD	Ød	L	T
1.5"x1.0"	38.1	25.4	50.8	1.65
2.0"x1.5"	50.8	38.1	50.8	1.65
2.5"x1.5"	63.5	38.1	101.6	1.65
2.5"x2.0"	63.5	50.8	50.8	1.65
3.0"x1.5"	76.2	38.1	152.4	1.65
3.0"x2.0"	76.2	50.8	101.6	1.65
3.0"x2.5"	76.2	63.5	50.8	1.65
4.0"x1.5"	101.6	38.1	254	2.1
4.0"x2.0"	101.6	50.8	203.2	2.1
4.0"x2.5"	101.6	63.5	152.4	2.1
4.0"x3.0"	101.6	76.2	101.6	2.1

45° Elbow Flange



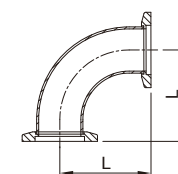
SIZE	O.D	L
KF25	1.0"	28.44
KF40	1.5"	42.67
KF50	2.0"	50.54

Tee Flange



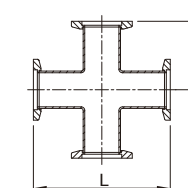
SIZE	O.D	L	L1
KF25	1.0"	100.07	50.03
KF40	1.5"	130.04	65.02
KF50	2.0"	139.95	70.01

90° Elbow Flange



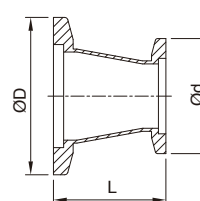
SIZE	O.D	L
KF25	1.0"	51.6
KF40	1.5"	61.0
KF50	2.0"	80.0

4-Way Cross Flange



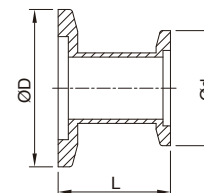
SIZE	O.D	L	L1
KF25	1.0"	103.2	51.6
KF40	1.5"	122.0	61.0
KF50	2.0"	160.0	80.0

Conical Reducer



ØD	Ød	L
KF25	KF16	39.9
KF40	KF16	39.9
KF40	KF25	39.9
KF50	KF16	39.9
KF50	KF25	39.9
KF50	KF40	39.9

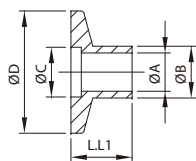
Straight Reducer



ØD	Ød	L
KF25	KF16	39.9
KF40	KF16	39.9
KF40	KF25	39.9
KF50	KF16	39.9
KF50	KF25	39.9
KF50	KF40	39.9

Vacuum Components (USA type)

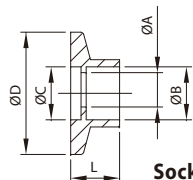
Weld Flange



Weld Flange

SIZE	ØA	ØB	ØC	ØD	L	L1
KF-10	9.4	12.7	12.19	29.97	12.7	40.01
KF-16	15.75	19.05	17.27	29.97	12.7	40.01
KF-25	22.1	25.4	26.19	40.01	12.7	40.01
KF-40	34.8	38.1	41.15	54.86	19.05	40.01
KF-50	47.5	50.8	52.32	74.93	19.05	40.01

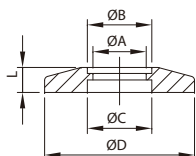
Socket Weld Flange



Socket Weld Flange

SIZE	ØA	ØB	ØC	ØD	L
KF-10	12.19	13.0	12.19	29.97	12.7
KF-16	17.27	19.3	17.27	29.97	12.7
KF-25	22.86	25.65	26.19	40.01	12.7
KF-40	35.56	38.35	41.15	54.86	12.7
KF-50	48.26	51.05	52.32	74.93	12.7

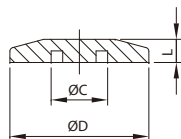
Bored Flange



Bored Flange

SIZE	ØA	ØB	ØC	ØD	L
KF-25	22.86	25.91	26.16	40.01	5.08
KF-40	35.56	38.61	41.15	54.86	5.08
KF-50	48.26	51.31	52.32	74.93	5.08

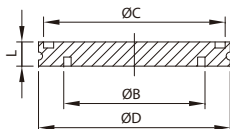
Blank Flange



Blank Flange

SIZE	ØC	ØD	L
KF-10	12.19	29.97	5.08
KF-16	17.27	29.97	5.08
KF-25	26.19	40.01	5.08
KF-40	41.15	54.86	5.08
KF-50	52.32	74.93	5.08

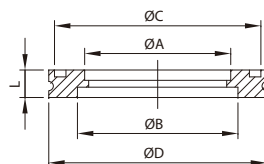
ISO-Blank Flange



Blank Flange

SIZE	ØB	ØC	ØD	L
ISO-63	70	90.02	95	11.94
ISO-80	80.01	105.03	110.01	11.94
ISO-100	102.01	125.02	130	11.94
ISO-160	153.01	175.03	180.01	11.94
ISO-200	203.71	235.02	240	11.94

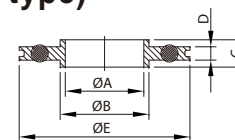
ISO-Bored Flange



Weld Flange

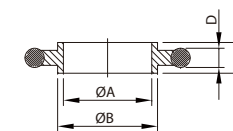
SIZE	ØA	ØB	ØC	ØD	L
ISO-63	64.01	70	90.02	95	11.94
ISO-80	76.71	83.01	105.03	110.01	11.94
ISO-100	102.11	102.01	125.02	130	11.94
ISO-160	152.91	153.01	175.03	180.01	11.94
ISO-200	203.71	203.71	235.02	240	11.94

Centreing Ring (SS304 & Alu Material) with O-Ring (VITON (FKM)) (USA type)



ISO-Type

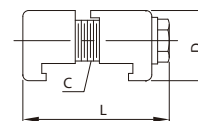
SIZE	ØA	ØB	C	D	ØE
ISO-63-V-U	66.8	69.6	8	3.81	91
ISO-80-V-U	79.75	82.6	8	3.81	104
ISO-100-V-U	98.8	101.6	8	3.81	123
ISO-160-V-U	149.86	152.6	8	3.81	170
ISO-200-V-U	207.8	212.6	8	3.81	234
ISO-250-V-U	257.5	260.4	8	3.81	285
ISO-320-V-U	312	317.3	12	5.58	340
ISO-400-V-U	394	399.2	12	5.58	416
ISO-500-V-U	494	500.2	12	5.6	555



KF-Type

SIZE	ØA	ØB	C	D
KF-10	10	12	8	3.9
KF-16	16	17	8	3.9
KF-25	25	26	8	3.9
KF-40	40	41	8	3.9
KF-50	50	52	8	3.9

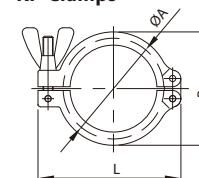
ISO-Double Claw Clamp



Double Claw Clamp

SIZE	C	D	L
ISO-63	M8	24.1	50.3
ISO-80	M8	24.1	50.3
ISO-100	M8	24.1	50.3
ISO-160	M10	27.9	50

KF-Clamps



KF-Clamps

SIZE	ØA	ØB	L
10/16	35	45	62
20/25	45	55	73
32/40	60	70	86.1
50	80	96	123

NW FLEXIBLE HOSES

SIZE	ØA	B	SIZE	ØA	ØB
KF-16-250	30	250	KF-40-250	55	250
KF-16-500	30	500	KF-40-500	55	500
KF-16-750	30	750	KF-40-750	55	750
KF-16-1000	30	1000	KF-40-1000	55	1000
KF-25-250	40	250	KF-50-250	75	250
KF-25-500	40	500	KF-50-500	75	500
KF-25-750	40	750	KF-50-750	75	750
KF-25-1000	40	1000	KF-50-1000	75	1000

ISO FLEXIBLE HOSES

SIZE	ØA	ØB	SIZE	ØA	ØB
ISO-63-250	95	250	ISO-80-750	110	750
ISO-63-500	95	500	ISO-80-1000	110	1000
ISO-63-750	95	750	ISO-100-250	130	250
ISO-63-1000	95	1000	ISO-100-500	130	500
ISO-80-250	110	250	ISO-100-750	130	750
ISO-80-500	110	500	ISO-100-1000	130	1000

