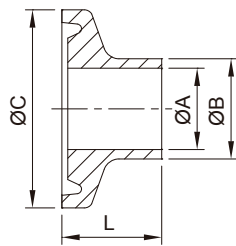


Hygienic Clamp Fittings

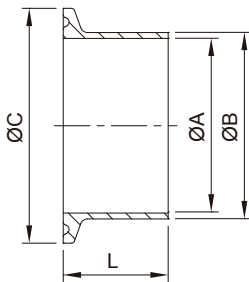


Ferrule Adapter

1/2"~3/4"



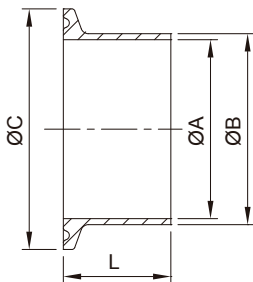
1.0"~12"



3A/SMS Welding Ferrule

SIZE	ØA	ØB	ØC	14WMP 14MMP 14AMP		
				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	—	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	38.1	50.5	—	21.5	28.6
2.0"	47.5	50.8	64	12.7	21.5	28.6
DN51	48.5	51	64	—	21.5	28.6
2.5"	60.2	63.5	77.5	12.7	21.5	28.6
DN63.5	60.5	63.5	77.5	—	21.5	28.6
DN76	72.9	76.1	91	—	21.5	28.6
3.0"	72.9	76.2	91	12.7	21.5	28.6
DN104	100	104	119	—	21.5	28.6
4.0"	97.4	101.6	119	15.8	21.5	28.6
6.0"	146.86	152.5	166.87	—	21.5	28.6 or 38.1
8.0"	197.66	203.3	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



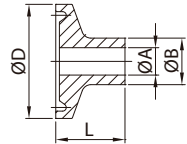
SIZE	DA		DB		ØC	L
	ØA	ØB	ØA	ØB		
DN6	6	8	—	—	34	12.7
DN8	8	10	—	—	34	12.7
DN10	10	13	9	12	34	18
DN15	16	19	15	18	34	18
DN20	20	23	19	22	34	18
DN25	26	29	25	28	50.5	21.5
DN32	32	35	31	34	50.5	21.5
DN40	38	41	37	40	50.5	21.5
DN50	50	53	49	52	64	21.5
DN65	66	70	66	70	91	28
DN80	81	85	81	85	106	28
DN101.6	—	—	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

Hygienic Clamp Fittings



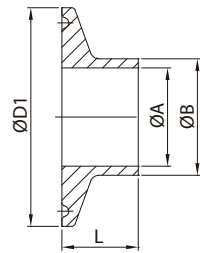
Ferrule Adapter

DN6~DN10 (DIN32676)



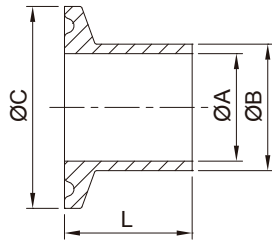
DN15~DN200 (DIN32676)

DN8~DN200



ISO Ferrule

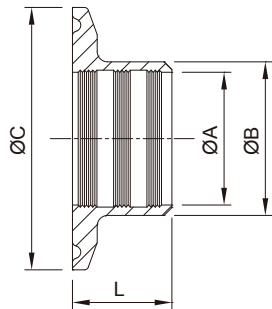
SIZE	ØA	ØB	ØD	ØD1	L
DN6	7	10.2	25	—	12.7
DN8	10.3	13.5	25	34	12.7
DN10	14	17.2	25	34	12.7
DN15	18.1	21.3	50.5	34	21.5
DN20	23.7	26.9	50.5	50.5	21.5
DN25	30.5	33.7	50.5	50.5	21.5
DN32	39.2	42.4	50.5	50.5	21.5
DN40	45.1	48.3	64	64	21.5
DN50	56.3	60.3	77.5	77.5	28
DN65	72.1	76.1	91	91	28
DN80	84.9	88.9	106	106	28
DN100	109.1	114.3	130	130	28
DN125	133.7	139.7	155	155	28
DN150	162.3	168.3	183	183	28
DN200	211.1	219.1	233.5	233.5	28



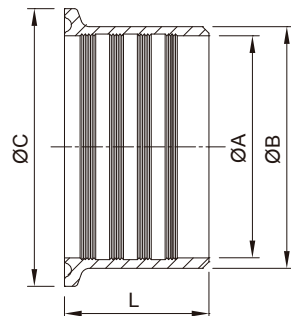
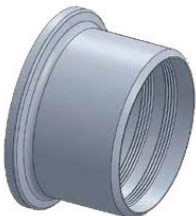
14MPW Heavy Tank Ferrule

SIZE	ØA	ØB	ØC	L
1/2"	8.15	12.75	25.2	54
3/4"	14.6	19.05	25.2	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

1.0"



1.25"~4.0"



14RMP

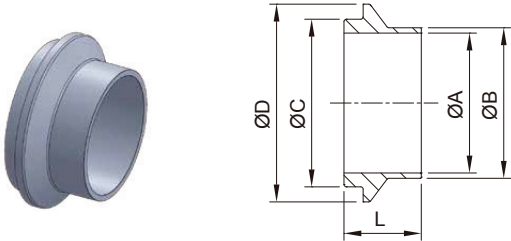
3A Roll-on Ferrule

SIZE	ØA	ØB	ØC	L
1.0"	25.5	29.5	50.5	19.1
1.25"	31.9	36.3	50.5	21.5
1.5"	38.2	42.6	50.5	28.6
2.0"	50.9	55.7	64	33.3
2.5"	63.6	68.8	77.5	34.9
3.0"	76.3	81.9	91	36.5
4.0"	101.7	108.1	119	38.1

Hygienic Clamp Fittings

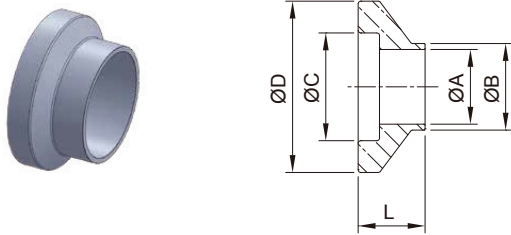


I-Line Ferrule Adapter



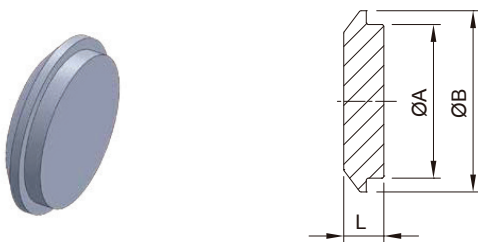
14WI I-Line Ferrule Male

SIZE	ØA	ØB	ØC	ØD	L
1.0"	22.1	25.65	31.5	50.67	19.84
1.5"	34.8	38.35	44.2	50.67	23.8
2.0"	47.5	51.05	56.9	67.05	26.19
2.5"	60.2	63.75	69.6	84	29.36
3.0"	72.89	76.45	83.82	98.3	30.94
4.0"	97.38	101.85	109.14	123.7	34.11



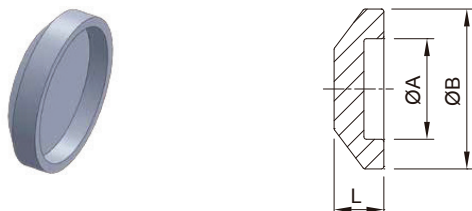
15WI I-Line Ferrule Female

SIZE	ØA	ØB	ØC	ØD	L
1.0"	22.1	25.65	31.88	50.67	19.84
1.5"	34.8	38.35	44.58	50.67	23.8
2.0"	47.5	51.05	57.28	67.05	26.19
2.5"	60.2	63.75	69.98	84	29.36
3.0"	72.89	76.45	84.2	98.3	30.94
4.0"	97.38	101.85	109.6	123.7	34.11



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



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

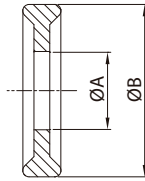
Hygienic Clamp Fittings



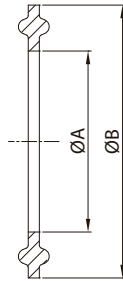
Ferrule Seal

13PG

1/2"-3/4"



1"-8"
DN10-200



Ferrule Gasket

(EPDM, SILICONE, Viton(FKM), PTFE)

PLAIN TYPE 13PG

SIZE	ØA	ØB
1/2"	9.9	21.8
3/4"	16.3	21.8
A37	15.5	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	97
4"	98.6	118
4.5"	110.5	122
5"	134.7	146
6"	147.8	165
8"	196.6	216

(PTFE)

ISO TYPE 13PG

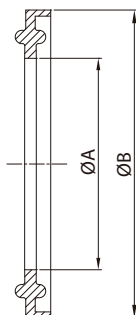
SIZE	ØA	ØB
DN8	11.1	33.2
DN12	14.8	33.2
DN15	18.9	33.2
DN20	24.5	49.7
DN25	31.3	49.7
DN32	40	49.7
DN40	45.9	63.2
DN50	57.1	76.7
DN65	72.9	90.2
DN80	85.7	105.2
DN100	109.9	129.2
DN125	134.5	154.2
DN150	163.1	182.2
DN200	211.9	232.7

(EPDM)

DIN TYPE 13PG

SIZE	ØA	ØB
DN10	9.8	33.2
DN15	15.8	33.2
DN20	19.8	33.2
DN28	25.8	49.7
DN34	31.8	49.7
DN40	37.8	49.7
DN52	49.8	63.2
DN70	66.8	90.2
DN85	81.8	105.2
DN101.6	98.4	118.2
DN104	100.8	118.2
DN125	125.8	154.2
DN150	150.8	182.2
DN200	200.8	232.7

13FG



Flanged type 13FG

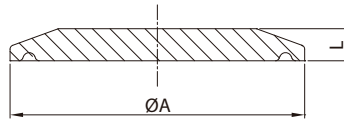
SIZE	ØA	ØB
1.0"	22.8	52.7
1.5"	35.8	52.7
2.0"	48.8	66.2
2.5"	60.5	79.7
3.0"	73.1	93.2
4.0"	97.8	121.2
6.0"	148	169.1
10"	249	270.7
12"	300	321.5

Hygienic Clamp Fittings



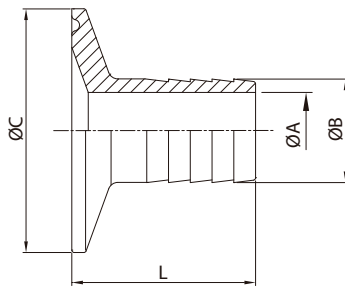
Ferrule Adapter

BLANK CAP 16AMP



3A	1/2"-3/4"	A37			1"	1.5"	2"	2.5"	3"	4"	6"	8"	10"	12"							
DIN	—	—	DN10	DN15	DN20	DN25	DN32	DN40	DN50	—	DN65	DN80	DN100	—	DN125	—	DN150	—	DN200	—	—
ISO	—	—	DN8	DN12	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	—	DN100	DN125	—	DN150	—	DN200	—	—
ψA	25	34	34	34	34	50.5	50.5	50.5	64	77.5	91	106	119	130	155	166.8	183	217.7	233.5	268.5	319.3
L	6	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	7.9	7.9	7.9	11.1	11.1	11.1	11.1	11.1	11.1

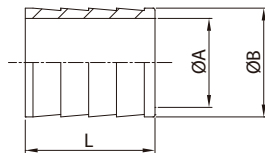
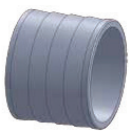
14MPHR



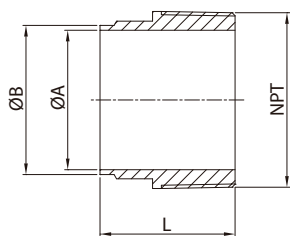
14MPHR/14WHR HOSE ADAPTER

SIZE	ØA	ØB	ØC	L	L1
1/2"*1/2"	9.5	13.7	25.2	38	25.3
3/4"*3/4"	15.8	21.4	25.2	38	25.3
1"*1/2"	9.5	13.7	50.5	38	25.3
1"*3/4"	15.8	21.4	50.5	38	25.3
1"*1"	20.6	25.4	50.5	43	30.3
1.5"*1/2"	9.5	13.7	50.5	38	25.3
1.5"*3/4"	15.8	21.4	50.5	38	25.3
1.5"*1.0"	20.6	25.4	50.5	43	25.3
1.5"*1.5"	33.2	38.1	50.5	43	30.3
2"*1.5"	33.2	38.1	64	43	30.3
2"*2"	46	50.8	64	58.7	46
2.5"*2.5"	58.7	63.5	77.5	59.5	46.8
3"*3"	72	76.2	91	78.6	65.9
4"*4"	97.6	101.6	119	85.5	72.8

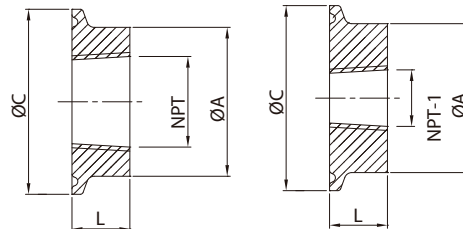
14WHR



B19W



23BMP



SIZE	ØA	ØB	(H) NPT	L
1/2"	9.4	12.7	1/2"-14T NPT	41.3
3/4"	15.75	19.05	3/4"-14T NPT	41.3
1.0"	22.1	25.4	1.0"-11.5T NPT	44.5
1.5"	34.8	38.1	1.5"-11.5T NPT	44.5
2.0"	47.5	50.8	2.0"-11.5T NPT	46
2.5"	60.2	63.5	2.5"-8T NPT	58.7
3.0"	72.9	76.2	3.0"-8T NPT	63.5
4.0"	97.4	101.6	4.0"-8T NPT	65.1
6.0"	146.9	152.4	6.0"-8T NPT	76.2

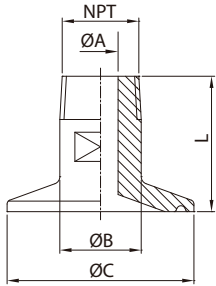
SIZE	ØA	ØC±0.07	ØL	NPT	NPT-1
1.0"	25.4	50.5	15.8	1.0"-11.5T NPT	1/2"-14T NPT
1.5"	38.1	50.5	15.8	1.5"-11.5T NPT	3/4"-14T NPT
2.0"	50.8	64	15.8	2.0"-11.5T NPT	3/4"-14T NPT
2.5"	63.5	77.5	15.8	2.5"-8T NPT	3/4"-14T NPT
3.0"	76.2	91	15.8	3.0"-8T NPT	3/4"-14T NPT
4.0"	101.6	119	15.8	4.0"-8T NPT	3/4"-14T NPT
6.0"	101.6	166.8	15.8	6.0"-8T NPT	3/4"-14T NPT

Hygienic Clamp Fittings



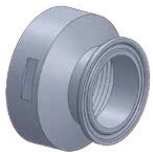
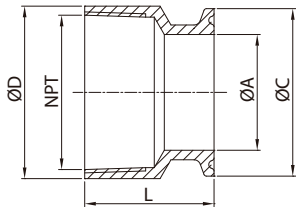
Ferrule Adapter

21MP



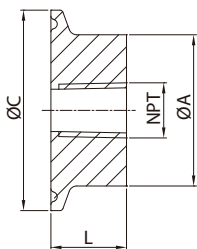
SIZE	ØA	ØB	ØC	L	NPT	SIZE	ØA	ØB	ØC	L	NPT
1/2"x1/2"	9.4	12.7	25.2	45	1/2"-18T	2"x4"	97.6	50.8	64	75	4"-8T
3/4"x1/2"	15.75	19.05	25.2	45	1/2"-18T	2.5"x1"	22.1	63.5	77.5	50	1"-11.5T
3/4"x3/4"	15.75	19.05	25.2	45	3/4"-18T	2.5"x1.5"	34.8	63.5	77.5	50	1.5"-11.5T
1"&1.5"x1/4"	3.18	14	50.5	40	1/4"-18T	2.5"x2"	47.6	63.5	77.5	55	2"-11.5T
1"&1.5"x3/8"	6.35	18	50.5	40	3/8"-18T	2.5"x2.5"	60.2	63.5	77.5	60	2.5"-8T
1"&1.5"x1/2"	9.7	22	50.5	40	1/2"-14T	2.5"x3"	72.9	63.5	77.5	70	3"-8T
1"&1.5"x3/4"	15.75	27	50.5	45	3/4"-14T	2.5"x4"	97.6	63.5	77.5	75	4"-8T
1"x1.5"x1"	22.1	34	50.5	50	1"-11.5T	3"x1"	22.1	76.2	91	55	1"-11.5T
1"&1.5"x1.25"	28.6	38.1	50.5	50	1.2"-11.5T	3"x1.5"	34.8	76.2	91	55	1.5"-11.5T
1"&1.5"x1.5"	34.8	38.1	50.5	50	1.5"-11.5T	3"x2"	47.5	76.2	91	55	2"-11.5T
1"&1.5"x2"	47.5	38.1	50.5	55	2"-11.5T	3"x2.5"	60.2	76.2	91	60	2.5"-8T
2"x1/4"	3.18	50.8	64	40	1/4"-18T	3"x3"	72.9	76.2	91	70	3"-8T
2"x3/8"	6.35	50.8	64	40	3/8"-18T	3"x4"	97.6	76.2	91	75	4"-8T
2"x1/2"	9.4	50.8	64	40	1/2"-14T	4"x1"	22.1	101.6	119	55	1"-11.5T
2"x3/4"	15.75	50.8	64	50	3/4"-14T	4"x1.5"	34.8	101.6	119	55	1.5"-11.5T
2"x1"	22.1	50.8	64	50	1"-11.5T	4"x2"	47.5	101.6	119	55	2"-11.5T
2"x1.5"	34.8	50.8	64	50	1.5"-11.5T	4"x2.5"	60.2	101.6	119	60	2.5"-8T
2"x2"	47.5	50.8	64	55	2"-11.5T	4"x3"	72.9	101.6	119	70	3"-8T
2"x2.5"	60.2	50.8	64	60	2.5"-8T	4"x4"	97.6	101.6	119	75	4"-8T
2"x3"	72.9	50.8	64	70	3"-8T						

22MP



SIZE	ØA		ØC	ØD	NPT	L
	1.0"	1.5"				
1/2"x1/2"	9.5			30	1/2" NPT	33
3/4"x3/4"	15.8			30	3/4" NPT	33
1.0"&1.5"x1.2"	22.2	34.9	50.5	52	1.2" NPT	39
1.0"&1.5"x1.5"	22.2	34.9	50.5	52	1.5" NPT	39
1.0"&1.5"x2.0"	22.2	34.9	50.5	65	2.0" NPT	39
2.0"x2.0"	47.6		64	65	2.0" NPT	39
2.5"x2.5"	60.3		77.5	80	2.5" NPT	50
3.0"x2.5"	73		91	95	2.5" NPT	50
3.0"x3.0"	73		91	95	3.0" NPT	52
4.0"x4.0"	97.6		119	120	4.0" NPT	54

22MP



SIZE	ØA	ØC	L	NPT	SIZE	ØA	ØC	L	NPT
1.0"&1.5"x1/4"	38.1	50.5	19	1/4" NPT	2.5"x1.0"	63.5	77.5	35	1.0" NPT
1.0"&1.5"x3/8"	38.1	50.5	19	3/8" NPT	2.5"x1.5"	63.5	77.5	35	1.5" NPT
1.0"&1.5"x1/2"	38.1	50.5	19	1/2" NPT	2.5"x2.0"	63.5	77.5	35	2.0" NPT
1.0"&1.5"x3/4"	38.1	50.5	19	3/4" NPT	3.0"x1.0"	76.2	91	35	1.0" NPT
1.0"&1.5"x1.0"	38.1	50.5	19	1.0" NPT	3.0"x1.5"	76.2	91	35	1.5" NPT
2.0"x1/4"	50.8	64	19	1/4" NPT	3.0"x2.0"	76.2	91	35	2.0" NPT
2.0"x3/8"	50.8	64	19	3/8" NPT	4.0"x1.0"	101.6	119	35	1.0" NPT
2.0"x1/2"	50.8	64	19	1/2" NPT	4.0"x1.5"	101.6	119	35	1.5" NPT
2.0"x3/4"	50.8	64	19	3/4" NPT	4.0"x2.0"	101.6	119	35	2.0" NPT
2.0"x1.0"	50.8	64	19	1.0" NPT	4.0"x2.5"	101.6	119	35	2.5" NPT
2.0"x1.5"	50.8	64	19	1.5" NPT	4.0"x3.0"	101.6	119	35	3.0" NPT