



SANITARY PIPE FITTINGS

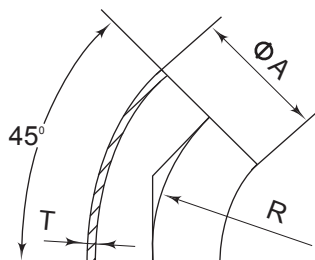
#89-18-45, Morumpudi Junction, Rajahmundry-03, Andhra Pradesh, India.
Ph: +91 883 2426845, 46, Fax: +91 883 2430819, e-mail: info.sripumps@gmail.com

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Sanitary pipe fittings

45 Short elbow

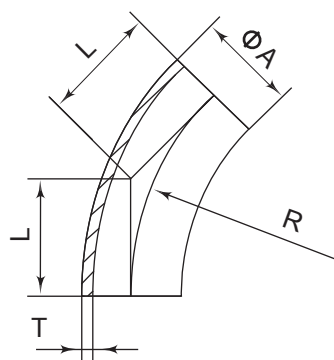
D.2WK-45



DN	A	R	T
10	12	26	1.5
15	18	35	1.5
20	22	40	1.5
25	28	50	1.5
32	34	55	1.5
40	40	60	1.5
50	52	70	1.5
65	70	70	2.0
80	85	85	2.0
100	104	104	2.0
125	129	129	2.0
150	154	154	2.0
200	204	204	2.0

45 Long elbow

D.L2WS-45

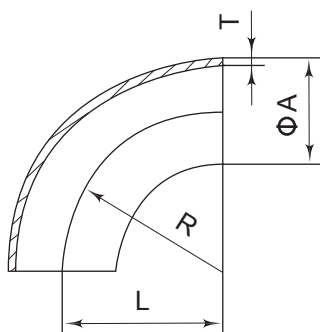


DN	A	R	L	T
10	12	26	35.8	1.5
15	18	35	39.5	1.5
20	22	40	41.6	1.5
25	28	50	60.7	1.5
32	34	55	62.8	1.5
40	40	60	64.9	1.5
50	52	70	69	1.5
65	70	80	73.0	2.0
80	85	90	92.3	2.0
100	104	100	96.4	2.0
125	129	187.5	135.2	2.0

Sanitary pipe fittings

90 Short bend

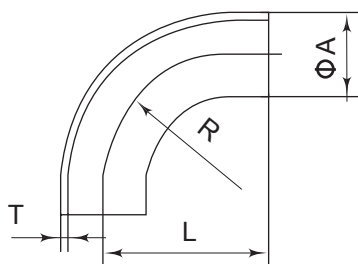
D.2WK-90



DN	A	R	L	T
10	12	26	26	1.5
15	18	35	35	1.5
20	22	40	40	1.5
25	28	50	50	1.5
32	34	55	55	1.5
40	40	60	60	1.5
50	52	70	70	1.5
65	70	70	70	2.0
80	85	85	85	2.0
100	104	104	104	2.0
125	129	129	129	2.0
150	154	154	154	2.0
200	204	204	204	2.0

90 Short bend

D.L2WS-90

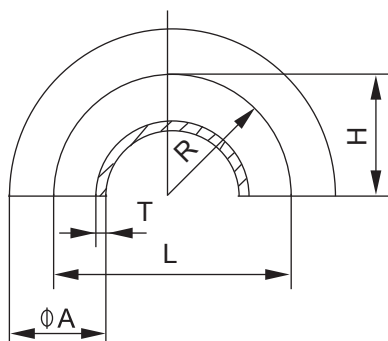


DN	A	R	L	T
10	12	26	51	1.5
15	18	35	60	1.5
20	22	40	65	1.5
25	28	50	90	1.5
32	34	55	95	1.5
40	40	60	100	1.5
50	52	70	110	1.5
65	70	80	120	2.0
80	85	90	145	2.0
100	104	100	155	2.0
125	129	187.5	245	2.0

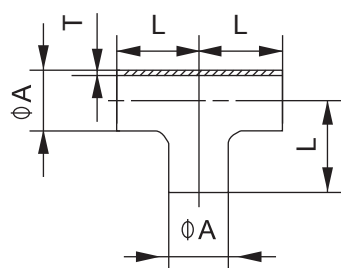
Sanitary pipe fittings

180 Bend

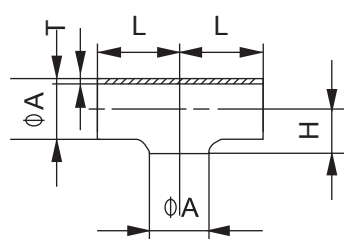
D.3WS-180



Size	A	L	R	H	T
20	22	80	40	40	1.5
25	28	100	50	50	1.5
32	34	110	55	55	1.5
40	40	120	60	60	1.5
50	52	140	70	70	1.5
65	70	160	80	80	1.5
80	85	180	90	90	1.5
100	104	200	100	100	2.0
125	129	375	187.5	187.5	2.0
150	154	450	225	225	2.0



Equal tee D.7W



Pull tee L7WWW

Equal/Pull tee

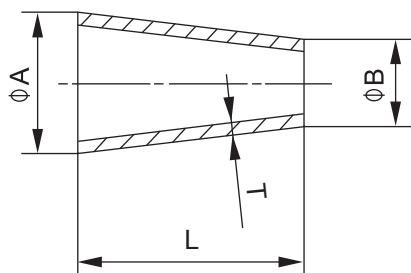
D.7W/L7WWW

Size	A	L	H	T
10	12	26	9	1.5
15	18	35	11	1.5
20	22	40	13	1.5
25	28	50	14	1.5
32	34	55	19.5	1.5
40	40	60	23	1.5
50	52	70	30	1.5
65	70	80	40	2.0
80	85	90	47.5	2.0
100	104	100	58	2.0
125	129	187.5	74	2.0
150	154	225	90	2.0
200	204	300	115	2.0

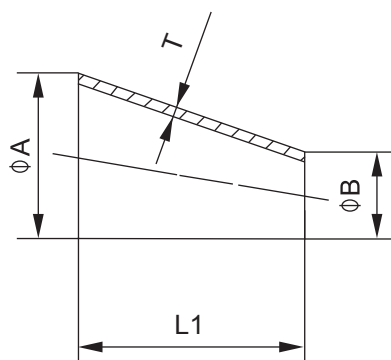
Sanitary pipe fittings

Concentric / Eccentric reducer

D.L31/32



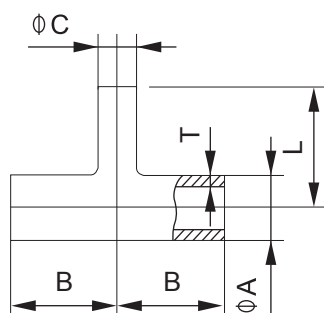
Concentric reducer D.L31



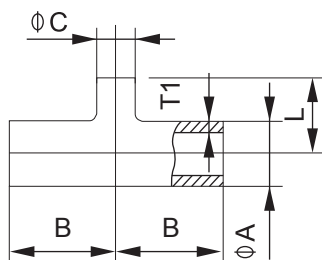
Eccentric reducer D.L32

Size	A	B	L	L1	T
15 x 10	18	12	11	16.5	1.5
20 x 10	22	12	18	27.5	1.5
20 x 15	22	18	7	11	1.5
25 x 10	28	12	28	44	1.5
25 x 15	28	18	18	27.5	1.5
25 x 20	28	22	23	16.5	1.5
32 x 15	34	18	30	44	1.5
32 x 20	34	22	22	33	1.5
32 x 25	34	28	11	14.5	1.5
40 x 20	40	22	33	49.5	1.5
40 x 25	40	28	22	33	1.5
40 x 32	40	34	11	16.5	1.5
50 x 25	52	28	44	66	1.5
50 x 32	52	34	33	49.5	1.5
50 x 40	52	40	22	33	1.5
65 x 32	70	34	62	92	2.0
65 x 40	70	40	51	77	2.0
65 x 50	70	52	29	44	2.0
80 x 40	85	40	78	97	2.0
80 x 50	85	52	56	85	2.0
80 x 65	85	70	27	41.2	2.0
100 x 50	104	52	90	137.5	2.0
100 x 65	104	70	64	93.5	2.0
100 x 80	104	85	34	52.5	2.0
125 x 65	129	70	96	138	2.0
125 x 80	129	85	79	121	2.0
125 x 100	129	104	45	68.5	2.0
150 x 80	154	85	90	110	2.0
150 x 100	154	104	66.5	90	2.0
150 x 125	154	129	45	68.5	2.0
200 x 150	204	154	68		2.0

Sanitary pipe fittings



Reducing tee D.L7W



Reducing short tee D.7W

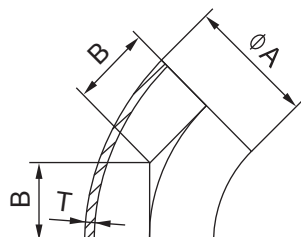
Reducing/Reducing short tee

D.L7W/7W					
DN	D	D1	L	L1	T
25-20	28	22	50	17	1.5
32-25	34	28	55	19.5	1.5
40-25	40	28	60	22.5	1.5
40-32	40	34	60	22.5	1.5
50-25	52	28	70	29.5	2.0
50-32	52	34	70	29.5	2.0
50-40	52	40	70	29.5	2.0
65-25	70	28	80	39	2.0
65-32	70	34	80	39	2.0
65-40	70	40	80	39	2.0
65-50	70	52	80	39	2.0
80-25	85	28	90	46.5	2.0
80-32	85	34	90	46.5	2.0
80-40	85	40	90	46.5	2.0
80-50	85	52	90	46.5	2.0
80-65	85	70	90	46.5	2.0
100-25	104	28	100	56	2.0
100-32	104	34	100	56	2.0
100-40	104	40	100	56	2.0
100-50	104	52	100	56	2.0
100-65	104	70	100	56	2.0
100-80	104	85	100	56	2.0
125-25	129	28	187.5	68.5	2.0
125-32	129	34	187.5	68.5	2.0
125-40	129	40	187.5	68.5	2.0
125-50	129	52	187.5	68.5	2.0
125-65	129	70	187.5	68.5	2.0
125-80	129	85	187.5	68.5	2.0
125-100	129	104	187.5	68.5	2.0
150-32	154	34	225	81	2.0
150-40	154	40	225	81	2.0
150-50	154	52	225	81	2.0
150-65	154	70	225	81	2.0
150-80	154	85	225	81	2.0
150-100	154	104	225	81	2.0
150-125	154	129	225	81	2.0

Sanitary pipe fittings

45 Short elbow

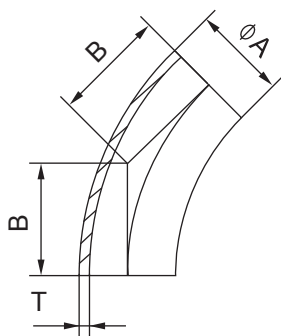
S.2WK-45



Size	A	B	T
25	25	15.53	1.50
38	38	23.61	1.50
51	51	31.69	1.50
63.5	63.5	39.45	1.50
76	76.1	47.28	2.0
104	104	63.0	2.0

45 Long elbow

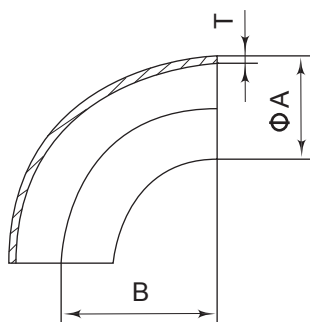
S.L2WS-45



Size	A	B	T
25	25	42.53	1.50
38	38	56.61	1.50
51	51	68.69	1.50
63.5	63.5	78.45	1.50
76	76.1	85.28	2.0
104	104	103.0	2.0

90 Short bend

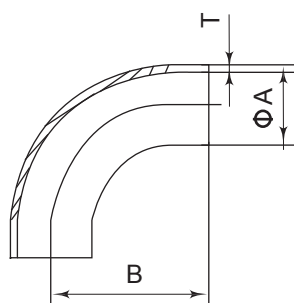
S.2WK-90



Size	A	B	T
25	25	37.5	1.50
38	38	57.0	1.50
51	51	76.5	1.50
63.5	63.5	95.25	1.50
76	76.1	114.15	2.0
104	104	152.1	2.0

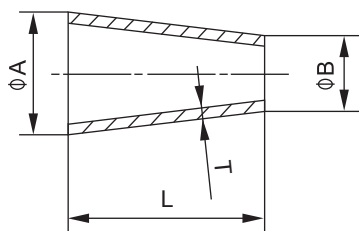
90 Long bend

S.L2WS-90

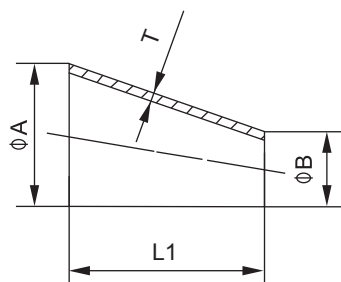


Size	A	B	T
25	25	52.5	1.50
38	38	72.0	1.50
51	51	91.5	1.50
63.5	63.5	113.25	1.50
76	76.1	132.15	2.0
104	104	172.1	2.0

Sanitary pipe fittings



Concentric reducer S.L31



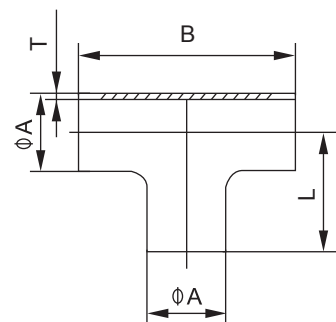
Eccentric reducer S.L32

Concentric/Eccentric reducer

S.L31/32						
Size	A	B	L	L1	A	T
38 x 25	38	25	39	46	1.50	1.50
51 x 25	51	25	57	68	1.50	1.50
51 x 38	51	38	39	47	1.50	1.50
63.5 x 25	63.5	25	74	92	1.50	1.50
63.5 x 38	63.5	38	57	70	1.50	1.50
63.5 x 51	63.5	51	39	44	1.50	1.50
76 x 25	76.1	25	92	117	1.65	1.50
76 x 38	76.1	38	74	92	1.65	1.50
76 x 51	76.1	51	57	68	1.65	1.50
76 x 63.5	76.1	63.5	39	47	1.65	1.65
104 x 51	104	51	95	117	2.0	1.50
104 x 63.5	104	63.5	78	94	2.0	1.50
104 x 76	104	76	60	74	2.0	1.65

Equl tee

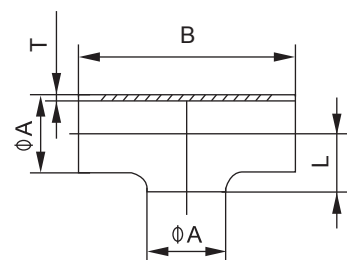
S.7W				
Size	A	B	L	T
25	25	110	55	1.5
38	38	140	70	1.5
51	51	164	81	1.5
63.5	63.5	210	105	1.5
76	76.1	220	110	2.0
104	104	300	150	2.0



Equl tee

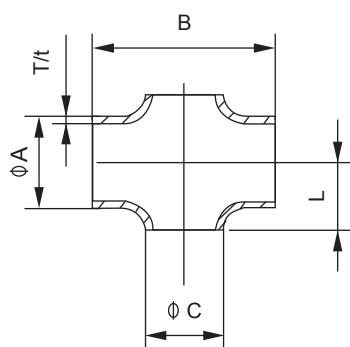
Pull tee

S.L7WWW				
Size	A	B	L	T
25	25	110	15	1.5
38	38	140	21	1.5
51	51	164	29	1.5
63.5	63.5	210	36	1.5
76	76.1	220	44	2.0
104	104	300	58	2.0

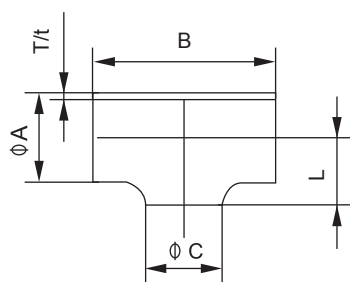


Pull tee

Sanitary pipe fittings



Reducing short cross S.9WWWW



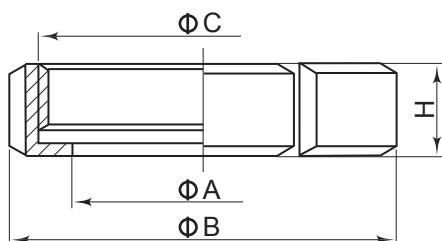
Reducing short tee S.7RW

Reducing short cross/tee

S.9WWWW/7RW

Size	A	B	C	L	T	t
38 x 25	38	140	25	21	1.50	1.50
51 x 25	51	164	25	29	1.50	1.50
51 x 38	51	164	38	29	1.50	1.50
63.5 x 25	63.5	210	25	36	1.50	1.50
63.5 x 38	63.5	210	38	36	1.50	1.50
63.5 x 51	63.5	210	51	36	1.50	1.50
76 x 25	76.1	220	25	44	1.65	2.0
76 x 38	76.1	220	38	44	1.65	2.0
76 x 51	76.1	220	51	44	1.65	2.0
76 x 63.5	76.1	220	63.5	44	1.65	2.0
104 x 25	104	300	25	58	2.0	2.0
104 x 38	104	300	38	58	2.0	2.0
104 x 51	104	300	51	58	2.0	2.0
104 x 63.5	104	300	63.5	58	2.0	2.0
104 x 76	104	300	76.1	58	2.0	2.0

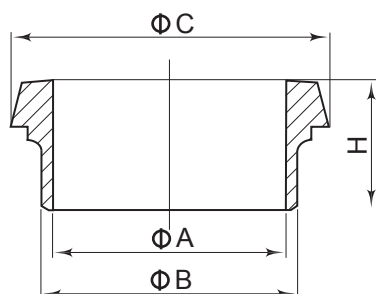
Sanitary unions - DIN



Nut

DIN-13

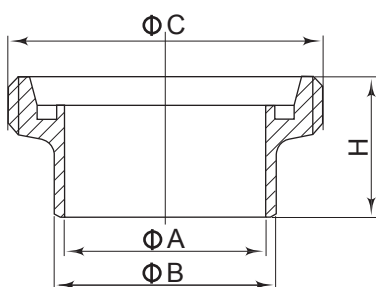
DN	A	B	C	H
10	19	38	Rd28 x 1/8"	18
15	25	44	Rd34 x 1/8"	18
20	31	54	Rd44 x 1/6"	21
25	36	63	Rd52 x 1/6"	21
32	42	70	Rd58 x 1/6"	21
40	49	78	Rd65 x 1/6"	21
50	62	92	Rd78 x 1/6"	22
65	80	112	Rd95 x 1/6"	25
80	94	127	Rd110 x 1/4"	29
100	115	138	Rd130 x 1/4"	31
125	138	178	Rd160 x 1/4"	35
150	164	210	Rd190 x 1/4"	40



Welding liner

DIN-14

DN	A	B	C	H
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
65	66	72	86	32
80	81	87	100	37
100	100	106	121	44
125	125	132	150	34
150	150	157	176	37

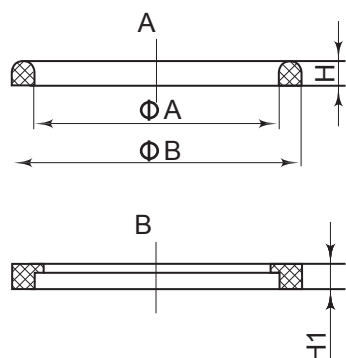


Welding male

DIN-15

DN	A	B	C	H
10	10	15	Rd28 x 1/8"	21
15	16	21	Rd34 x 1/8"	21
20	20	25	Rd44 x 1/6"	24
25	26	31	Rd52 x 1/6"	29
32	32	37	Rd58 x 1/6"	32
40	38	43	Rd65 x 1/6"	33
50	50	55	Rd78 x 1/6"	35
65	66	72	Rd95 x 1/6"	40
80	81	87	Rd110 x 1/4"	45
100	100	106	Rd130 x 1/4"	54
125	125	132	Rd160 x 1/4"	46
150	150	157	Rd190 x 1/4"	50

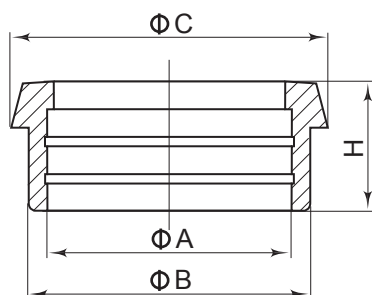
Sanitary unions - DIN



Seal ring

DIN-14H

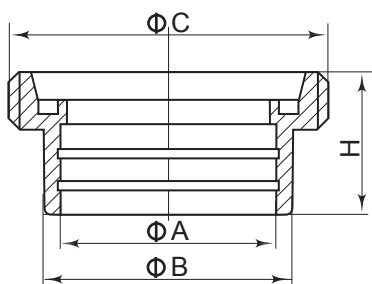
DN	A	B	H	H1
10	12	20	4.5	5
15	18	26	4.5	5
20	23	33	4.5	5
25	30	40	5	6
32	36	49	5	6
40	42	52	5	6
50	54	64	5	6
65	71	81	5	6
80	85	95	5	6
100	104	114	6	6
125	130	142	7	7
150	155	167	7	7



Expanding liner

DIN-14R

DN	A	B	C	H
10	12.2	18	4.5	21
15	18.2	24	4.5	21
20	22.2	30	4.5	24
25	28.2	35	5.0	29
32	34.2	41	5.0	32
40	40.2	48	5.0	33
50	52.2	61	5.0	35
65	70.3	79	5.0	40
80	85.3	93	5.0	45
100	104.3	114	6.0	54
125	129.3	137	7.0	46
150	154.3	163	7.0	50

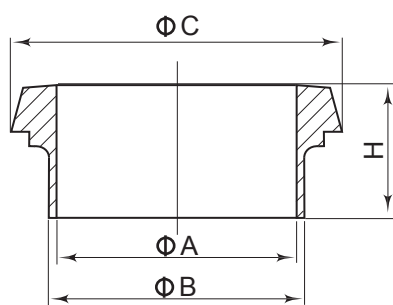


Expanding male

DIN-15H

DN	A	B	C	H
10	12.2	18	Rd28 x 1/8"	21
15	18.2	24	Rd34 x 1/8"	21
20	22.2	30	Rd44 x 1/6"	24
25	28.2	35	Rd52 x 1/6"	29
32	34.2	41	Rd58 x 1/6"	32
40	40.2	48	Rd65 x 1/6"	33
50	52.2	61	Rd78 x 1/6"	35
65	70.3	79	Rd95 x 1/6"	40
80	85.3	93	Rd110 x 1/4"	45
100	104.3	114	Rd130 x 1/4"	54
125	129.3	137	Rd160 x 1/4"	46
150	154.3	163	Rd190 x 1/4"	50

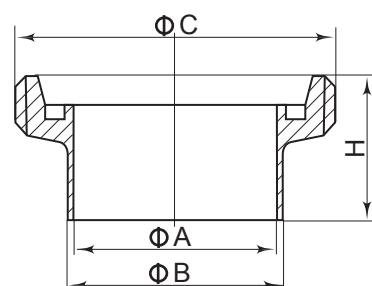
Sanitary unions - DIN



Welding liner

DIN-14H

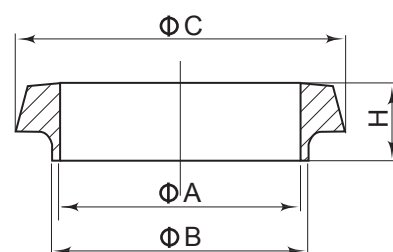
DN	A	B	C	H
10	10	13	22.5	17
15	16	19	28.5	17
20	20	23	36.5	18
25	26	29	44	22
32	32	35	50	25
40	38	41	56	26
50	50	53	68.5	28
65	66	70	86	32
80	81	85	100	37
100	100	104	121	44
125	125	129	150	34
150	150	154	176	37



Welding liner

DIN-15H

DN	A	B	C	H
10	10	13	Rd28 x 1/8"	21
15	16	19	Rd34 x 1/8"	21
20	20	23	Rd44 x 1/6"	24
25	26	29	Rd52 x 1/6"	29
32	32	35	Rd58 x 1/6"	32
40	38	41	Rd65 x 1/6"	33
50	50	53	Rd78 x 1/6"	35
65	66	70	Rd95 x 1/6"	40
80	81	85	Rd110 x 1/4"	45
100	100	104	Rd130 x 1/4"	54
125	125	129	Rd160 x 1/4"	46
150	150	155	Rd190 x 1/4"	50

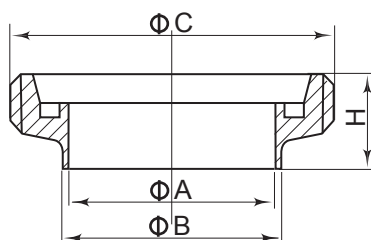


Welding liner

DIN-14S

DN	A	B	C	H
10	10	13	22.5	13
15	16	19	28.5	13
20	20	23	36.5	13
25	26	29	44	15
32	32	35	50	15
40	38	41	56	15
50	50	53	68.5	16
65	66	70	86	17
80	81	85	100	17
100	100	104	121	20
125	125	129	150	23.5
150	150	154	176	27

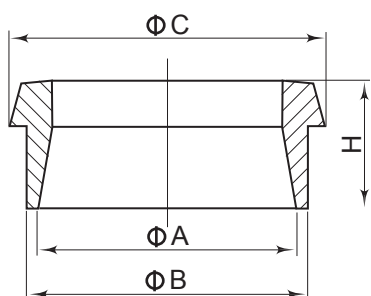
Sanitary unions - DIN



Welding male

DIN-15S

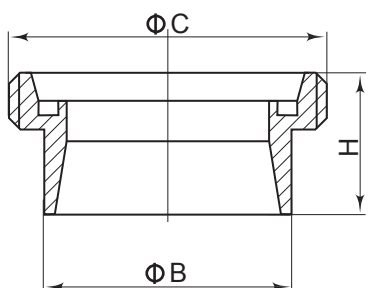
DN	A	B	C	H
10	10	13	Rd28 x 1/8"	17
15	16	19	Rd34 x 1/8"	17
20	20	23	Rd44 x 1/6"	19
25	26	29	Rd52 x 1/6"	22
32	32	35	Rd58 x 1/6"	22
40	38	41	Rd65 x 1/6"	22
50	50	53	Rd78 x 1/6"	23
65	66	70	Rd95 x 1/6"	25
80	81	85	Rd110 x 1/4"	25
100	100	104	Rd130 x 1/4"	30
125	125	129	Rd160 x 1/4"	35.5
150	150	155	Rd190 x 1/4"	40



Welding liner

DIN-ISO

DN	A	B	C	H
17.2	14	17.2	22.5	21
21.3	18.1	21.3	28.5	21
26.9	23.7	26.9	36.5	24
33.7	29.7	33.7	44	29
42.4	38.4	42.4	50	32
48.3	44.3	48.3	56	33
60.3	56.3	60.3	68.5	35
76.1	71.5	76.1	86	40
88.9	84.3	88.9	100	45
114.3	109.1	114.3	121	54
139.7	134.5	139.7	150	46
168.3	163.1	168.3	176	50

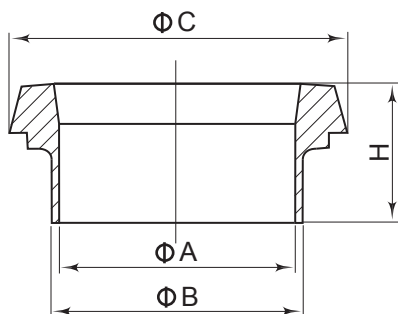


Welding male

DIN-ISO

DN	A	B	C	H
17.2	14	17.2	Rd28 x 1/8"	21
21.3	18.1	21.3	Rd34 x 1/8"	21
26.9	23.7	26.9	Rd44 x 1/6"	24
33.7	29.7	33.7	Rd52 x 1/6"	29
42.4	38.4	42.4	Rd58 x 1/6"	32
48.3	44.3	48.3	Rd65 x 1/6"	33
60.3	56.3	60.3	Rd78 x 1/6"	35
76.1	71.5	76.1	Rd95 x 1/6"	40
88.9	84.3	88.9	Rd110 x 1/4"	45
114.3	109.1	114.3	Rd130 x 1/4"	54
139.7	134.5	139.7	Rd160 x 1/4"	46
168.3	163.1	168.3	Rd190 x 1/4"	50

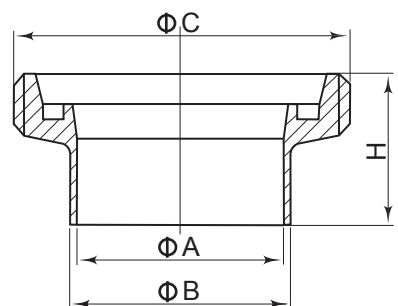
Sanitary unions - DIN



Welding liner

DIN-INCH

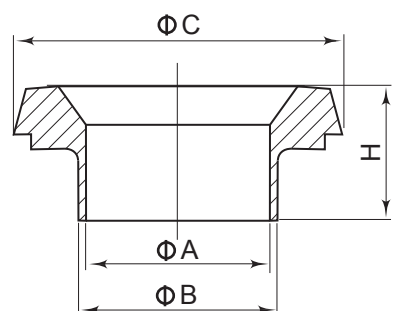
DN	A	B	C	H
1/2"	9.5	12.7	22.5	17
3/4"	15.85	19.05	28.5	17
1.0"	22.2	25.4	36.5	18
1-1/4"	28.6	31.75	44	22
1-1/2"	32	38.1	50	25
2.0"	47.6	50.8	68.5	28
2-1/2"	60.3	63.5	86	32
3.0"	73.0	76.2	100	37
4.0"	97.6	101.6	121	44
5.0"	121.5	127.0	150	34
6.0"	146.9	152.4	176	37



Welding male

DIN-INCH

DN	A	B	C	H
1/2"	9.5	12.7	Rd28 x 1/8"	21
3/4"	15.85	19.05	Rd34 x 1/8"	21
1.0"	22.2	25.4	Rd52 x 1/6"	29
1-1/4"	28.6	31.75	Rd58 x 1/6"	32
1-1/2"	32	38.1	Rd65 x 1/6"	33
2.0"	47.6	50.8	Rd78 x 1/6"	35
2-1/2"	60.3	63.5	Rd95 x 1/6"	40
3.0"	73.0	76.2	Rd110 x 1/4"	45
4.0"	97.6	101.6	Rd130 x 1/4"	54
5.0"	121.5	127.0	Rd160 x 1/4"	46
6.0"	146.9	152.4	Rd190 x 1/4"	50

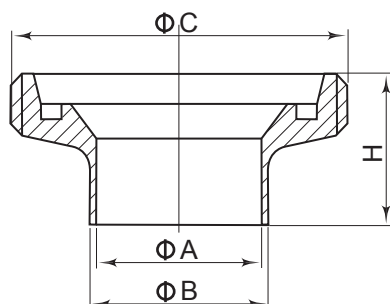


Reducing welding liner

DIN-14RL

SIZE	A	B	C	H
32-25	26	29	50	20
40-25	26	29	56	20
40-32	32	35	56	23
50-32	32	35	68.5	23
50-40	38	41	68.5	26
65-40	38	41	89	26
65-50	50	53	89	27
80-50	50	53	100	30
80-65	66	70	100	21
100-65	66	70	121	40
100-80	81	85	121	42

Sanitary unions - DIN



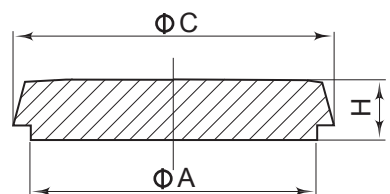
Reducing welding male

DIN-15RM

DN	A	B	C	H
32-25	26	29	Rd58 x 1/8"	27
40-25	26	29	Rd65 x 1/8"	28
40-32	32	35	Rd65 x 1/6"	25
50-32	32	35	Rd78 x 1/6"	29
50-40	38	41	Rd78 x 1/6"	35
65-40	38	41	Rd95 x 1/6"	39
65-50	50	53	Rd95 x 1/6"	40
80-50	50	53	Rd110 x 1/4"	45
80-65	66	70	Rd110 x 1/4"	46
100-65	66	70	Rd130 x 1/4"	55
100-80	81	85	Rd130 x 1/4"	49

Blank liner

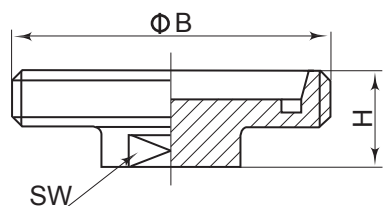
DIN-14B



DN	A	B	H
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
100	114	121	20
125	137	150	22
150	163	176	24

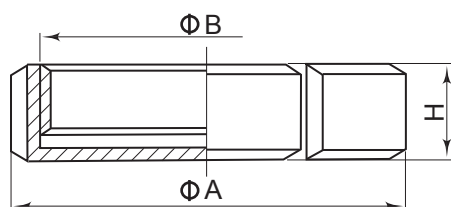
Blank male

DIN-15B



DN	A	B	SW
10	22	Rd28 x 1/8"	19
15	25	Rd34 x 1/8"	22
20	25	Rd44 x 1/6"	22
25	34	Rd52 x 1/6"	27
32	34	Rd58 x 1/6"	27
40	34	Rd65 x 1/6"	27
50	34	Rd78 x 1/6"	27
65	34	Rd95 x 1/4"	27
80	34	Rd110 x 1/4"	27
100	34	Rd130 x 1/4"	27
125	44	Rd160 x 1/4"	37
150	44	Rd190 x 1/4"	37

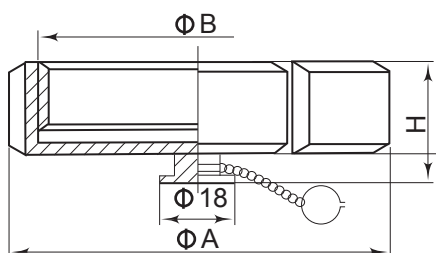
Sanitary unions - *DIN*



Blank nut

DIN-13RB

DN	A	B	H
10	38	Rd28 x 1/8"	18
15	44	Rd34 x 1/8"	18
20	54	Rd44 x 1/6"	21
25	63	Rd52 x 1/6"	21
32	70	Rd58 x 1/6"	21
40	78	Rd65 x 1/6"	21
50	92	Rd78 x 1/6"	22
65	112	Rd95 x 1/6"	25
80	127	Rd110 x 1/4"	29
100	138	Rd130 x 1/4"	31
125	178	Rd160 x 1/4"	35
150	210	Rd190 x 1/4"	40

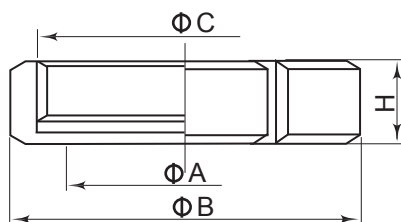


Blank nut with boss

DIN-13RBN

DN	A	B	H
10	38	Rd28 x 1/8"	25
15	44	Rd34 x 1/8"	25
20	54	Rd44 x 1/6"	28
25	63	Rd52 x 1/6"	28
32	70	Rd58 x 1/6"	28
40	78	Rd65 x 1/6"	28
50	92	Rd78 x 1/6"	29
65	112	Rd95 x 1/6"	32
80	127	Rd110 x 1/4"	36
100	138	Rd130 x 1/4"	28
125	178	Rd160 x 1/4"	42
150	210	Rd190 x 1/4"	47

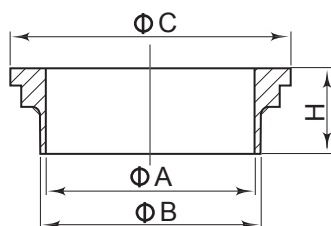
Sanitary unions - SMS



Nut

SMS-13

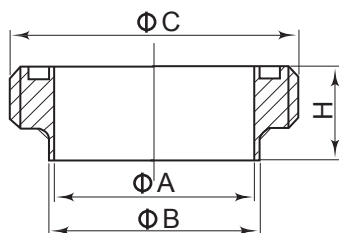
DN	A	B	C	H
25	32	51	Rd40 x 1/6"	20
32	40.5	60	Rd48 x 1/6"	22
38	48	74	Rd60 x 1/6"	25
51	61	84	Rd70 x 1/6"	26
63.5	74	100	Rd85 x 1/6"	30
76.1	87	114	Rd98 x 1/6"	32
101.6	117	154	Rd132 x 1/6"	45
104	113	140	Rd125 x 1/4"	32



Welding liner

SMS-14

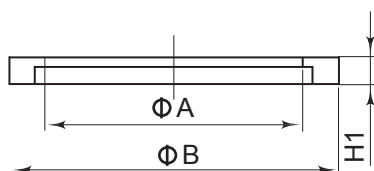
DN	A	B	C	H
25	22.5	25	35.5	15
32	29.5	32	43.5	15
38	35.5	38	55	20
51	48.5	51	65	20
63.5	60.5	63.5	80	24
76.1	72.9	76.1	93	24
101.6	97.6	101.6	127	30
104	100	104	118	30



Welding male

SMS-15

DN	A	B	C	H
25	22.5	25	Rd40 x 1/6"	19
32	29.5	32	Rd48 x 1/6"	19
38	35.5	38	Rd60 x 1/6"	23
51	48.5	51	Rd70 x 1/6"	23
63.5	60.5	63.5	Rd85 x 1/6"	27
76.1	72.9	76.1	Rd98 x 1/6"	27
101.6	97.6	101.6	Rd132 x 1/6"	35
104	100	104	Rd125 x 1/4"	30

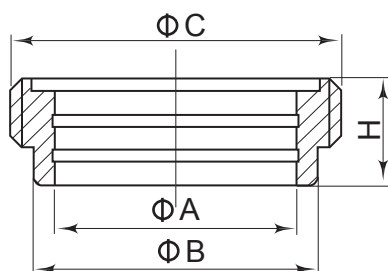


Seal ring

SMS-15

DN	A	B	H
25	22.5	31.8	5.3
32	29.5	47.8	5.3
38	35.5	60.8	5.3
51	48.5	60.8	5.3
63.5	61.0	73.3	5.3
76.1	73.4	85.8	5.3
101.6	100	115.7	5.3
104	100	115.7	5.3

Sanitary unions - SMS

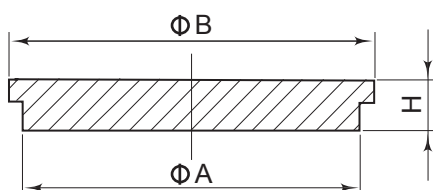


Expanding male

SMS-15R				
DN	A	B	C	H
25	25.2	31.5	Rd40 x 1/6"	19
32	32.2	40	Rd48 x 1/6"	19
38	38.2	47.5	Rd60 x 1/6"	23
51	51.2	60	Rd70 x 1/6"	23
63.5	63.7	73.5	Rd85 x 1/6"	27
76.1	76.3	86.5	Rd98 x 1/6"	27
101.6	101.8	116.5	Rd132 x 1/6"	35
104	104.2	112.5	Rd125 x 1/4"	30

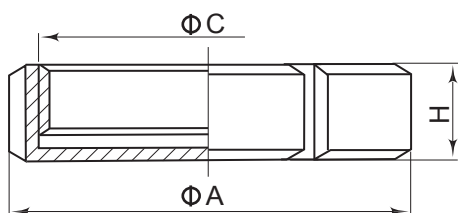
Blank liner

SMS-14B			
DN	A	B	H
25	31.5	35.5	7.5
32	40	43.5	8
38	47.5	55	8
51	60	65	8
63.5	73.5	80	9
76.1	86.5	93	11
101.6	116.5	127	12
104	112.5	118	12



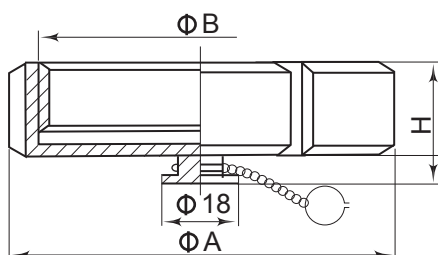
Blank liner

SMS-13RB			
DN	A	B	H
25	51	Rd40 x 1/6"	20
32	60	Rd48 x 1/6"	22
38	74	Rd60 x 1/6"	25
51	84	Rd70 x 1/6"	26
63.5	100	Rd85 x 1/6"	30
76.1	114	Rd98 x 1/6"	32
101.6	154	Rd132 x 1/6"	45
104	140	Rd125 x 1/4"	32

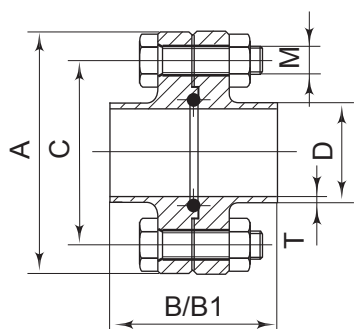


Blank nut with boss

SMS-13RBN			
DN	A	B	H
25	51	Rd40 x 1/6"	27
32	60	Rd48 x 1/6"	29
38	74	Rd60 x 1/6"	32
51	84	Rd70 x 1/6"	33
63.5	100	Rd85 x 1/6"	37
76.1	114	Rd98 x 1/6"	39
101.6	154	Rd132 x 1/6"	52
104	140	Rd125 x 1/4"	39



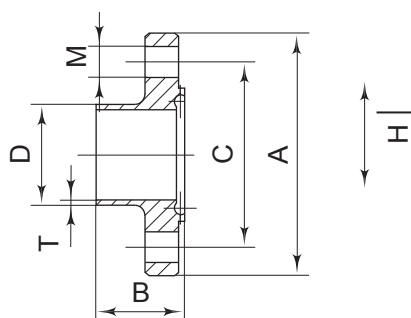
Aseptic connection



Flange fittings

DIN-FL

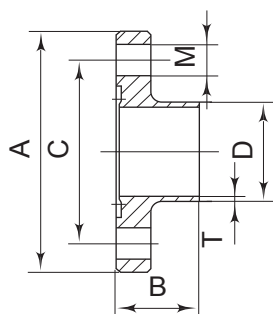
DN	A	B	B1	C	D	T	M
25	70	48	80	53	29	1.5	4 x M8
32	76	48	90	59	35	1.5	4 x M8
40	82	48	90	65	41	1.5	4 x M8
50	94	48	90	77	53	1.5	4 x M8
65	113	48	108	95	70	2	8 x M8
80	133	52	116	112	85	2	8 x M10
100	159	52	116	137	104	2	8 x M10



Protrude flange

DIN-21

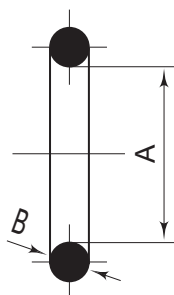
DN	A	B	C	D	T	M
25	70	25.5	53	29	1.5	4 x ϕ 9
32	76	25.5	59	35	1.5	4 x ϕ 9
40	82	25.5	65	41	1.5	4 x ϕ 9
50	94	25.5	77	53	1.5	4 x ϕ 9
65	113	25.5	95	70	2	8 x ϕ 9
80	133	27.5	112	85	2	8 x ϕ 11
100	159	27.5	137	104	2	8 x ϕ 11



Concave flange

DIN-22

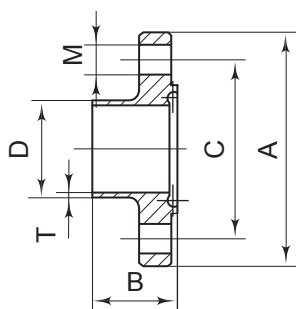
DN	A	B	C	D	T	M
25	70	24	53	29	1.5	4 x ϕ 9
32	76	24	59	35	1.5	4 x ϕ 9
40	82	24	65	41	1.5	4 x ϕ 9
50	94	24	77	53	1.5	4 x ϕ 9
65	113	24	95	70	2	8 x ϕ 9
80	133	26	112	85	2	8 x ϕ 11
100	159	26	137	104	2	8 x ϕ 11



Seal ring

DN	A	B
25	28	3.5
32	34	5
40	40	5
50	52	5
65	68	5
80	83	5
100	102	5

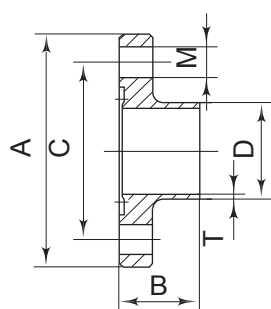
Aseptic connection



Protrude flange

DIN-21L

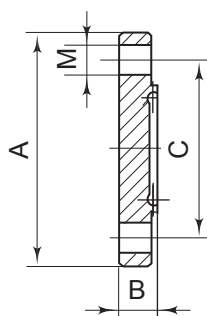
DN	A	B	C	D	T	M
25	70	25.5	53	29	1.5	4 x ϕ 9
32	76	25.5	59	35	1.5	4 x ϕ 9
40	82	25.5	65	41	1.5	4 x ϕ 9
50	94	25.5	77	53	1.5	4 x ϕ 9
65	113	25.5	95	70	2	8 x ϕ 9
80	133	27.5	112	85	2	8 x ϕ 11
100	159	27.5	137	104	2	8 x ϕ 11



Concave flange

DIN-21L

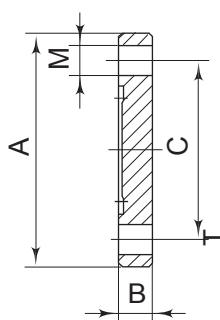
DN	A	B	C	D	T	M
25	70	40	53	29	1.5	4 x ϕ 9
32	76	45	59	35	1.5	4 x ϕ 9
40	82	45	65	41	1.5	4 x ϕ 9
50	94	45	77	53	1.5	4 x ϕ 9
65	113	54	95	70	2	8 x ϕ 9
80	133	58	112	85	2	8 x ϕ 11
100	159	58	137	104	2	8 x ϕ 11



Blank flange with protrude

DIN-21B

DN	A	B	C	M
25	70	11.5	53	4 x ϕ 9
32	76	11.5	59	4 x ϕ 9
40	82	11.5	65	4 x ϕ 9
50	94	11.5	77	4 x ϕ 9
65	113	11.5	95	8 x ϕ 9
80	133	13.5	112	8 x ϕ 11
100	159	13.5	137	8 x ϕ 11

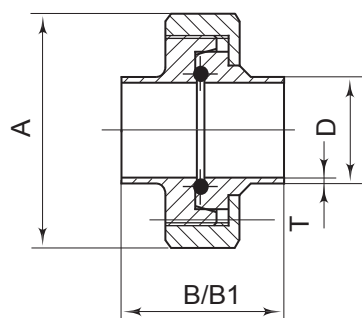


Blank flange with concave

DIN-22B

DN	A	B	C	M
25	70	10	53	4 x ϕ 9
32	76	10	59	4 x ϕ 9
40	82	10	65	4 x ϕ 9
50	94	10	77	4 x ϕ 9
65	113	10	95	8 x ϕ 9
80	133	12	112	8 x ϕ 11
100	159	14	137	8 x ϕ 11

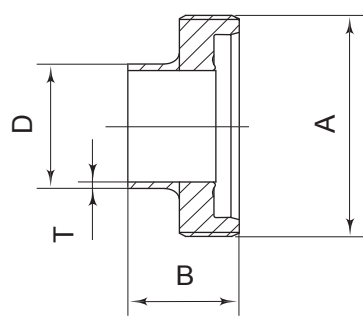
Aseptic connection



Welding male

SMS-15S

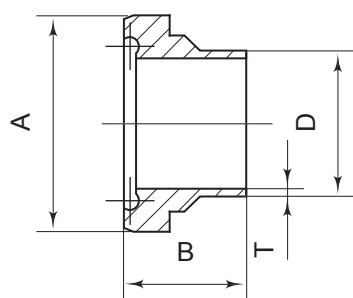
DN	A	B	B1	D	T
25	63	42	77	29	1.5
32	70	48	89	35	1.5
40	78	50	89	41	1.5
50	92	54	90	53	1.5
65	112	62	115	70	2
80	127	72	119	85	2
100	148	86	124	104	2



Male

DIN-31

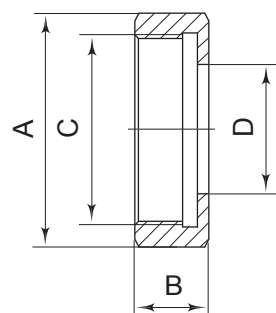
DN	A	B	D	T
25	Rd52 x 1/6	26	29	1.5
32	Rd58 x 1/6	30	35	1.5
40	Rd65 x 1/6	31	41	1.5
50	Rd78 x 1/6	31	53	1.5
65	Rd95 x 1/6	36	70	2
80	Rd110 x 1/4	42	85	2
100	Rd130 x 1/4	50	104	2



Liner

DIN-32

DN	A	B	D	T
25	42.9	22	29	1.5
32	48.9	25	35	1.5
40	54.9	26	41	1.5
50	66.9	30	53	1.5
65	84.9	34	70	2
80	98.9	38	85	2
100	118.9	46	104	2

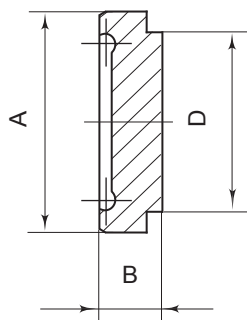
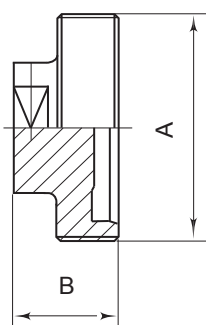
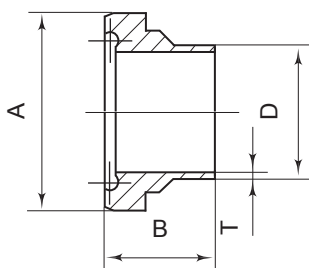
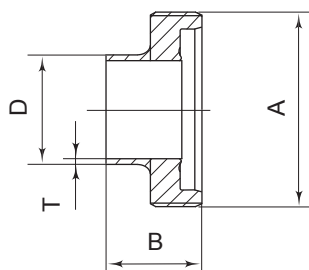


Nut

DIN-13

DN	A	B	C	D
25	63	21	Rd52 x 1/6	36
32	70	21	Rd58 x 1/6	42
40	78	21	Rd65 x 1/6	49
50	92	22	Rd78 x 1/6	62
65	112	25	Rd95 x 1/6	80
80	127	29	Rd110 x 1/4	94
100	148	31	Rd130 x 1/4	115

Aseptic connection



Male

DIN-31L

DN	A	B	D	T
25	Rd52 x 1/6	26	29	1.5
32	Rd58 x 1/6	30	35	1.5
40	Rd65 x 1/6	31	41	1.5
50	Rd78 x 1/6	31	53	1.5
65	Rd95 x 1/6	36	70	2
80	Rd110 x 1/4	42	85	2
100	Rd130 x 1/4	50	104	2

Liner

DIN-32L

DN	A	B	D	T
25	42.9	40	29	1.5
32	48.9	47	35	1.5
40	54.9	47	41	1.5
50	66.9	48	53	1.5
65	84.9	61	70	2
80	98.9	61	85	2
100	118.9	66	104	2

Blank male

DIN-31B

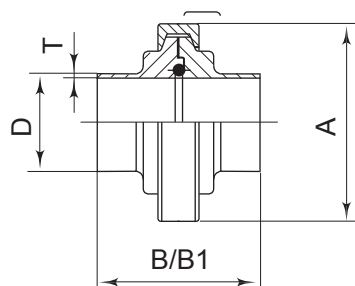
DN	A	B
25	Rd52 x 1/6	22
32	Rd58 x 1/6	22
40	Rd65 x 1/6	22
50	Rd78 x 1/6	22
65	Rd95 x 1/6	24
80	Rd110 x 1/4	30
100	Rd130 x 1/4	30

Blank liner

DIN-32B

DN	A	B	D
25	42.9	12	35
32	48.9	13	41
40	54.9	13	48
50	66.9	14	61
65	84.9	16	79
80	98.9	16	93
100	118.9	20	114

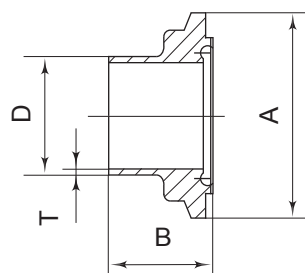
Aseptic connection



Clamp fittings

DIN-KS

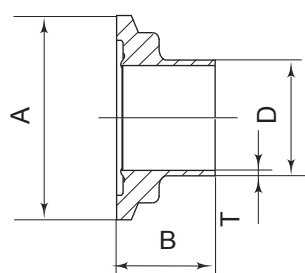
DN	A	B	B1	D	T
25	90	48	77	29	1.5
32	90	48	88	35	1.5
40	106	48	88	41	1.5
50	120	48	89	53	1.5
65	135	48	113	70	2
80	149	52	117	85	2
100	180	52	120	104	2



Ferrule with protrude

DIN-41

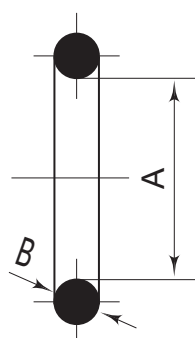
DN	A	B	D	T
25	50.5	25.5	29	1.5
32	50.5	25.5	35	1.5
40	64.0	25.5	41	1.5
50	77.5	25.5	53	1.5
65	91.0	25.5	70	2
80	106.0	27.5	85	2
100	130.0	27.5	104	2



Ferrule with concave

DIN-42

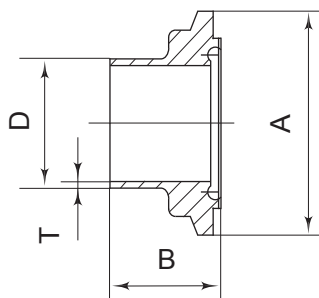
DN	A	B	D	T
25	50.5	24	29	1.5
32	50.5	24	35	1.5
40	64.0	24	41	1.5
50	77.5	24	53	1.5
65	91.0	24	70	2
80	106.0	26	85	2
100	130.0	26	104	2



Seal ring

DN	A	B
25	28	3.5
32	34	5
40	40	5
50	52	5
65	68	5
80	83	5
100	102	5

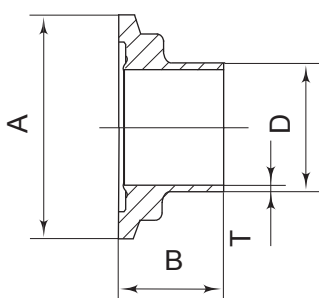
Aseptic connection



Ferrule with protrude

DIN-41L

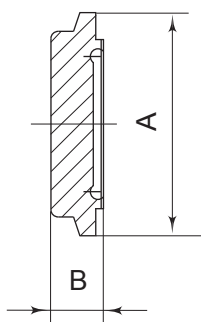
DN	A	B	D	T
25	50.5	40	29	1.5
32	50.5	45.5	35	1.5
40	64.0	45.5	41	1.5
50	77.5	46	53	1.5
65	91.0	58	70	2
80	106.0	60	85	2
100	130.0	61.5	104	2



Ferrule with concave

DIN-42L

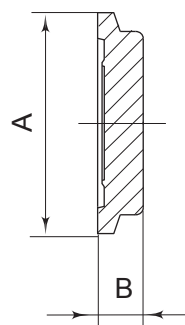
DN	A	B	D	T
25	50.5	38.5	29	1.5
32	50.5	44	35	1.5
40	64.0	44	41	1.5
50	77.5	44.5	53	1.5
65	91.0	56.5	70	2
80	106.0	58.5	85	2
100	130.0	60	104	2



Blank ferrule with protrude

DIN-41B

DN	A	B
25	50.5	12
32	50.5	15.5
40	64.0	15.5
50	77.5	16
65	91.0	18
80	106.0	20
100	130.0	21.5

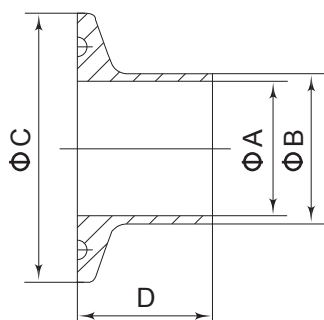


Blank ferrule with concave

DIN-42B

DN	A	B
25	50.5	10.5
32	50.5	14
40	64.0	14
50	77.5	14.5
65	91.0	16.5
80	106.0	18.5
100	130.0	20

Sanitary ferrule

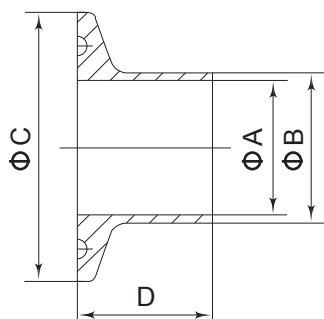


SMS ferrule

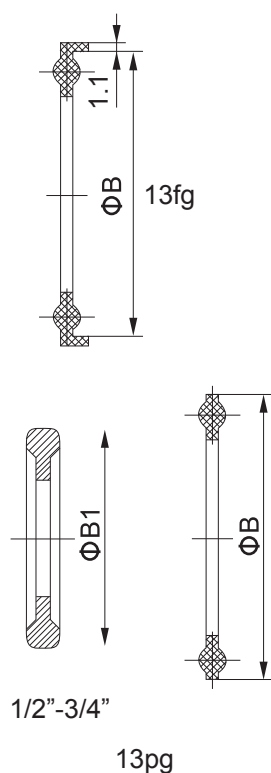
SMS-14WMP/14MMP/14AMP						
Size	A	B	C	D		
				14WMP	14MMP	14RMP
25	22.5	25	50.5	12.7	21.5	28.6
38	35.5	42.6	50.5	12.7	21.5	28.6
51	48.5	51	64.0	12.7	21.5	28.6
63.5	60.5	63.5	77.5	12.7	21.5	28.6
76	72.9	76.1	91.0	12.7	21.5	28.6
104	97.6	101.6	119.0	15.8	21.5	28.6

DIN ferrule

DIN-14WMP/14MMP/14AMP						
DN	A	B	C	D		
				14WMP	14MMP	14RMP
10	9	12	34	12.7	21.5	28.6
15	15	18	34	12.7	21.5	28.6
20	19	22	34	12.7	21.5	28.6
25	25	28	50.5	12.7	21.5	28.6
32	31	34	50.5	12.7	21.5	28.6
40	37	40	50.5	12.7	21.5	28.6
50	49	52	64	12.7	21.5	28.6
65	66	70	91	12.7	21.5	28.6
80	81	85	106	12.7	21.5	28.6
100	100	104	119	15.8	21.5	28.6
125	125	129	155	15.8	21.5	28.6
150	150	154	183	15.8	21.5	28.6
200	200	204	233.5	15.8	21.5	28.6



Sanitary ferrule

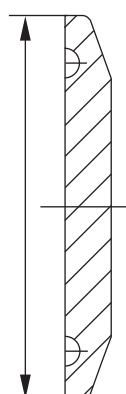


Seal ring

Size	A	B
DN10-20	36.2	21.8
DN25-40	52.7	34
DN50	66.2	50.5
DN65	79.7	64
DN80	93.2	77.5
DN100	108.2	91
DN125	121.2	106
DN150	132.2	119
DN200	157.2	130
DN250	169	155
DN300	185.2	166.8
	219.9	183
	235.7	217.7
	270.7	233.5
	321.5	268.5
		319.3

Blank ferrule

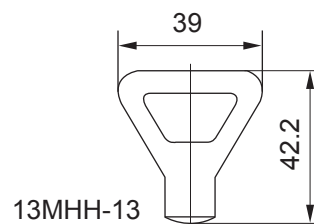
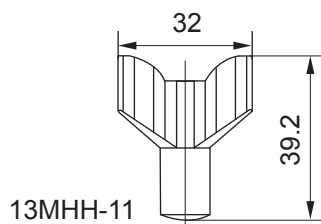
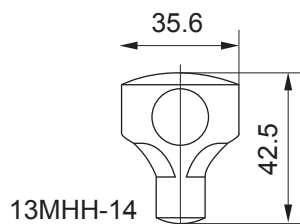
16AMP



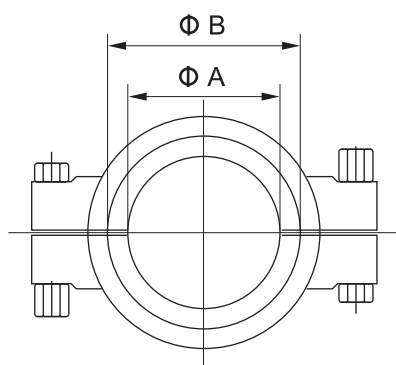
Size	A	B
DN10-20	25.2	6.4
DN25-40	34	6.4
DN50	50.5	6.4
DN65	64.0	6.4
DN80	77.5	6.4
DN100	91.0	6.4
DN125	106.0	7.9
DN150	119.0	7.9
DN200	130.0	7.9
DN250	155.0	11.1
DN300	166.8	11.1
	183.0	11.1
	217.7	11.1
	233.5	11.1
	268.5	11.1
	319.3	11.1

Heavy duty clamp

Nut

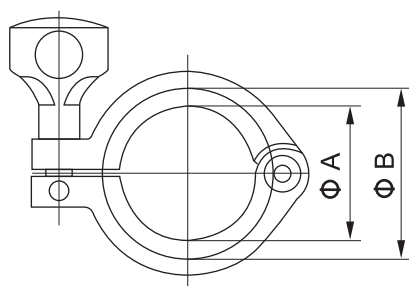


13mhp high pressure



Size	A	B
DN25-40	44.4	53.6
DN50	57.8	67
	71.4	80.6
DN65	84	94.2
DN80	99	109.2
DN100	110	122.2
	123	133.2
DN125	144	159
	155.4	170.4
DN150	172	187
	205	220
DN200	222.5	237.5
DN250	257	272
DN300	308	323

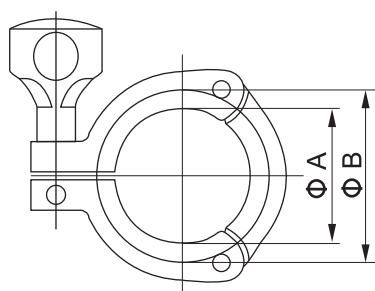
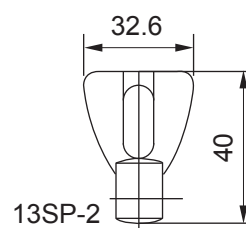
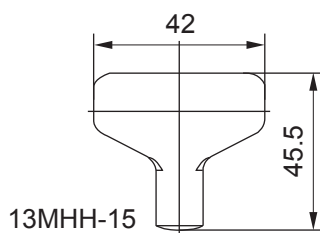
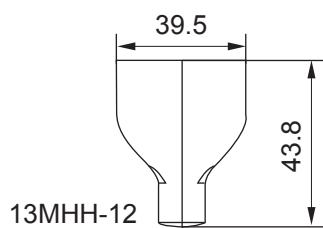
13Mhheavy duty single pin clamp



Size	A	B
	20	28
DN10-20	27.8	37
DN25-40	44.4	53.6
DN50	57.8	67
	71.4	80.6
DN65	84	94.2
DN80	99	109.2
DN100	110	122.2
	123	133.2
DN125	144	159
	155.4	170.4
DN150	172	187
	205	220
DN280	222.5	237.5
DN250	257	272
DN300	308	323

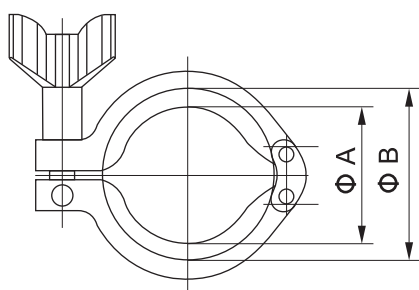
Heavy duty clamp

Nut



3 Pieces clamp

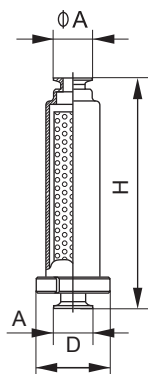
Size	A	B
DN25-40	44.4	53.6
DN50	57.8	67
	71.4	80.6
DN65	84	94.2
DN80	99	109.2
DN100	110	122.2
	123	133.2
DN125	144	159
	155.4	170.4
DN150	172	187
	205	220
DN200	222.5	237.5
DN250	257	272
DN300	308	323



13Mhheavy duty single pin clamp

Size	A	B
DN25-40	44.4	53.6
DN50	57.8	67
	71.4	80.6
DN65	84	94.2
DN80	99	109.2
DN100	110	122.2
	123	133.2
DN125	144	159
	155.4	170.4
DN150	172	187
	205	220
DN200	222.5	237.5
DN250	257	272
DN300	308	323

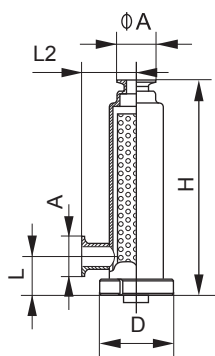
Sanitary filters



Clamping straight filters

DIN-GL11

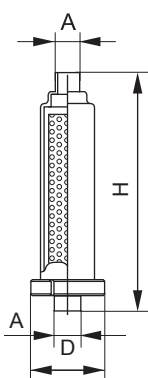
DN	A	D	H
25	50.5	94.2	300
32	50.5	94.2	300
40	50.5	94.2	300
50	64	122.2	340
65	91	122.2	380
80	106	170.4	460
100	119	170.4	560



Clamping angle-type filters

DIN-GL12

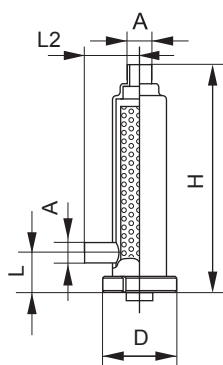
DN	A	D	L	L2	H
25	50.5	94.2	50	70	280
32	50.5	94.2	50	70	280
40	50.5	94.2	50	70	280
50	64	122.2	65	100	310
65	91	122.2	65	120	350
80	106	170.4	80	140	420
100	119	170.4	100	140	520



Welding straight filters

DIN-GL21

DN	A	D	H
25	28	94.2	310
32	34	94.2	310
40	40	94.2	310
50	52	122.2	360
65	70	122.2	400
80	85	170.4	480
100	104	170.4	580

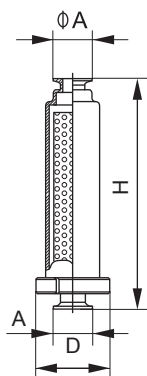


Welding angle-type filters

DIN-GL22

DN	A	D	L	L2	H
25	28	94.2	50	70	290
32	34	94.2	50	70	290
40	40	94.2	50	70	290
50	52	122.2	65	100	330
65	70	122.2	65	120	370
80	85	170.4	80	140	440
100	104	170.4	100	140	540

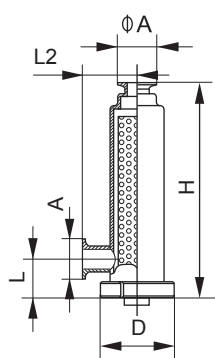
Sanitary filters



Clamping straight filters

SMS-GL11

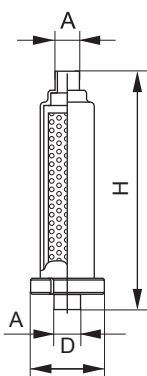
Size	A	D	H
25	50.5	94.2	300
38	50.5	94.2	300
50	64	122.2	340
63.5	77.5	122.2	380
76	91	170.4	460
104	119	170.4	560



Clamping ngle-type filters

SMS-GL12

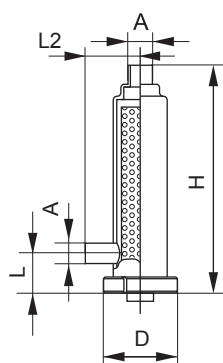
Size	A	D	L	L2	H
25	50.5	94.2	50	70	280
38	50.5	94.2	50	70	280
50	64	122.2	65	100	310
63.5	77.5	122.2	65	120	350
76	91	170.4	80	140	420
104	119	170.4	100	140	520



Welding straight filters

SMS-GL21

Size	A	D	H
25	25	94.2	310
38	38	94.2	310
50	51	122.2	360
63.5	63.5	122.2	400
76	76.1	170.4	480
104	101.6	170.4	580

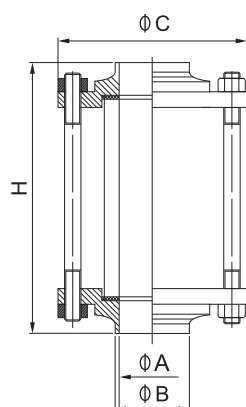


Clamping angle-type filters

SMS-GL22

Size	A	D	L	L2	H
25	25	94.2	50	70	290
38	38	94.2	50	70	290
50	51	122.2	65	100	330
63.5	63.5	122.2	65	120	370
76	76.1	170.4	80	140	440
104	101.6	170.4	100	140	540

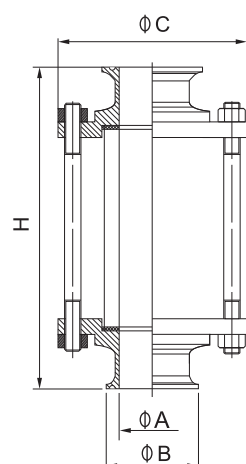
Sanitary sight glass



Welding sight glass

DIN-11

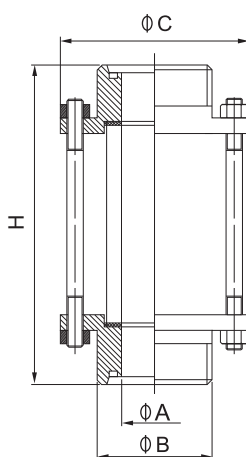
Size	A	B	C	H
DN25	26	29	79	136
DN32	32	35	85	136
DN40	40	43	92	140
DN50	50	53	108	140
DN65	66	70	127	140
DN80	81	85	142	152
DN100	100	104	162	152



Clamping sight glass

DIN-12

Size	A	B	C	H
DN25	26	29	79	160
DN32	32	35	85	160
DN40	40	43	92	162
DN50	50	53	108	164
DN65	66	70	127	164
DN80	81	85	142	188
DN100	100	104	162	192

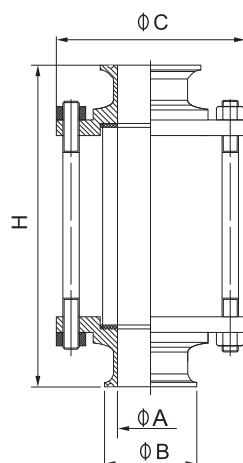
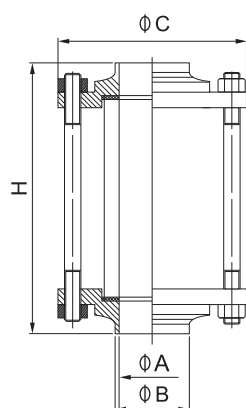


Male sight glass

DIN-13

Size	A	B	C	H
DN25	26	Rd52X1/6"	79	160
DN32	32	Rd58X1/6"	85	160
DN40	40	Rd65X1/6"	92	162
DN50	50	Rd78X1/6"	108	164
DN65	66	Rd95X1/6"	127	164
DN80	81	Rd110X1/6"	142	188
DN100	100	Rd130X1/6"	162	192

Sanitary sight glass



Welding sight glass

ISO-11

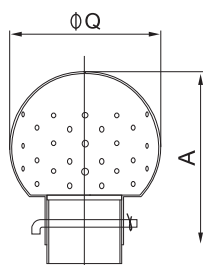
Size	A	B	C	H
21.3	18.1	21.3	76	138
26.9	23.7	26.9	79	136
33.7	29.7	33.7	85	136
42.4	38.4	42.4	92	140
48.3	44.3	48.3	100	144
60.3	56.3	60.3	115	144
76.1	71.5	76.1	125	150
88.9	84.3	88.9	142	152
114.3	109.1	114.3	162	152

Clamping sight glass

ISO-11

Size	A	B	C	H
21.3	18.1	34	76	138
26.9	23.7	50.5	79	136
33.7	29.7	50.5	85	136
42.4	38.4	50.5	92	140
48.3	44.3	64	100	144
60.3	56.3	77.5	115	144
76.1	71.5	91	125	150
88.9	84.3	106	142	152
114.3	109.1	130	162	152

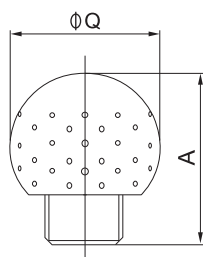
Cleaning



Bolted fixed cleaning ball

CD-020

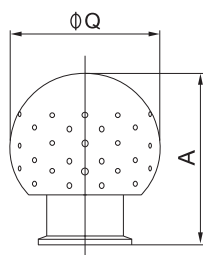
SIZE	A	Q
1"	96.0	63.0
1 1/2"	110.0	76.0
2"	125.0	91.0
2 1/2"	135.0	100.0



Threaded fixed cleaning ball

CL-017

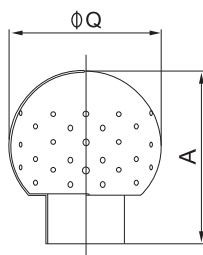
SIZE	A	Q
1"	72.0	63.0
1 1/4"	85.0	76.0
1 1/2"	87.0	76.0
2"	102.0	91.0



Clamped fixed cleaning ball

CD-018

SIZE	A	Q
1"	80.0	63.0
1 1/4"	93.0	76.0
1 1/2"	93.0	76.0
2"	108.0	91.0
2 1/2"	115.0	100.0



Threaded fixed cleaning ball

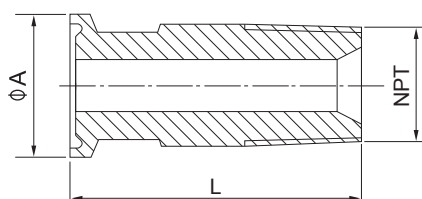
CL-019

SIZE	A	Q
1"	72.0	63.0
1 1/2"	85.0	63.0
2"	87.0	91.0
1 1/2"	102.0	100.0

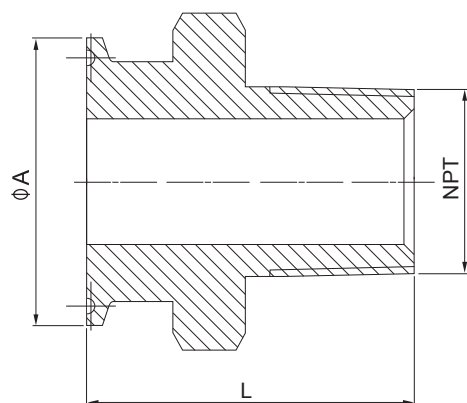
Adapters

Male adapter

21MP



1/2" x 3/8" - 3/4" x 3/4"



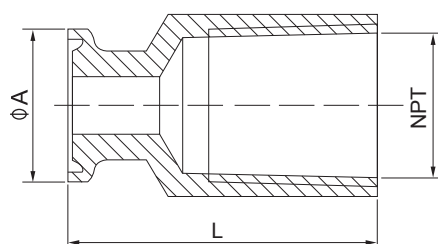
1/0" x 1/2" - 4.0" x 4.0"

SIZE	A	B	NPT
1/2" x 1/8"	25.2	50.8	1/8"NPT
1/2" x 1/4"	25.2	50.8	1/4"NPT
1/2" x 3/8"	25.2	50.8	3/8"NPT
1/2" x 1/2"	25.2	50.8	1/2"NPT
1/2" x 3/4"	25.2	50.8	3/4"NPT
3/4" x 1/8"	25.2	50.8	1/8"NPT
3/4" x 1/4"	25.2	50.8	1/4"NPT
3/4" x 3/8"	25.2	50.8	3/8"NPT
3/4" x 1/2"	25.2	50.8	1/2"NPT
3/4" x 3/4"	25.2	50.8	3/4"NPT
1.0" x 1/2"	50.5	55.6	1/2"NPT
1.0" x 3/4"	50.5	55.6	3/4"NPT
1.0" x 1.0"	50.5	57	1.0"NPT
1.0" x 1-1/4"	50.5	62	1-1/4"NPT
1.0" x 1-1/2"	50.5	62	1-1/2"NPT
1.0" x 2.0"	50.5	66.7	2.0"NPT
1-1/2" x 1/2"	50.5	55.6	1/2"NPT
1-1/2" x 3/4"	50.5	55.6	3/4"NPT
1-1/2" x 1.0"	50.5	58.7	1.0"NPT
1-1/2" x 1-1/4"	50.5	62	1-1/4"NPT
1-1/2" x 1-1/2"	50.5	62	1-1/2"NPT
1-1/2" x 2.0"	50.5	66.7	2.0"NPT
2.0" x 1/2"	64	57	1/2"NPT
2.0" x 3/4"	64	58	3/4"NPT
2.0" x 1.0"	64	62.7	1.0"NPT
2.0" x 1-1/4"	64	62.7	1-1/4"NPT
2.0" x 1-1/2"	64	62.7	1-1/2"NPT
2.0" x 2.0"	64	67.5	2.0"NPT
2.0" x 2-1/2"	64	79.3	2-1/2"NPT
2-1/2" x 1.0"	77.5	70.6	1.0"NPT
2-1/2" x 1-1/2"	77.5	70.6	1-1/2"NPT
2-1/2" x 2.0"	77.5	70.6	2.0"NPT
2-1/2" x 2-1/2"	77.5	83.3	2-1/2"NPT
3.0" x 2-1/2"	91	88.9	2-1/2"NPT
3.0" x 3.0"	91	88.9	3.0"NPT
4.0" x 2.0"	119	96.8	2.0"NPT
4.0" x 3.0"	119	122.2	3.0"NPT
4.0" x 4.0"	119	96.8	4.0"NPT

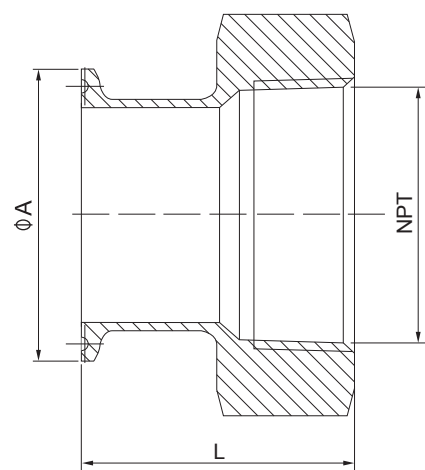
Adapters

Female adapter

22MP



1/2" x 3/8" - 3/4" x 3/4"



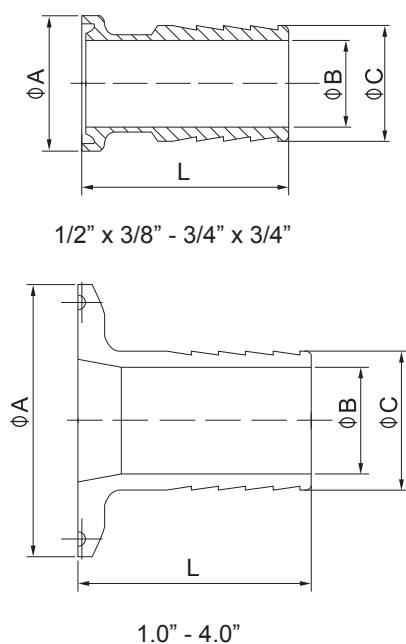
1/0" x 1/2" - 4.0" x 4.0"

SIZE	A	L	NPT
1/2" x 1/8"	25.2	31.7	1/8"NPT
1/2" x 1/4"	25.2	38.1	1/4"NPT
1/2" x 3/8"	25.2	38.1	3/8"NPT
1/2" x 1/2"	25.2	38.1	1/2"NPT
1/2" x 3/4"	25.2	41.3	3/4"NPT
3/4" x 1/8"	25.2	31.7	1/8"NPT
3/4" x 1/4"	25.2	38.1	1/4"NPT
3/4" x 3/8"	25.2	38.1	3/8"NPT
3/4" x 1/2"	25.2	38.1	1/2"NPT
3/4" x 3/4"	25.2	41.3	3/4"NPT
1.0" x 1/2"	50.5	41.3	1/2"NPT
1.0" x 3/4"	50.5	41.3	3/4"NPT
1.0" x 1.0"	50.5	41.3	1.0"NPT
1.0" x 1-1/4"	50.5	57.2	1-1/4"NPT
1.0" x 1-1/2"	50.5	57.2	1-1/2"NPT
1.0" x 2.0"	50.5	41.3	2.0"NPT
1-1/2" x 1/2"	50.5	41.3	1/2"NPT
1-1/2" x 3/4"	50.5	41.3	3/4"NPT
1-1/2" x 1.0"	50.5	41.3	1.0"NPT
1-1/2" x 1-1/4"	50.5	57.2	1-1/4"NPT
1-1/2" x 1-1/2"	50.5	57.2	1-1/2"NPT
1-1/2" x 2.0"	50.5	57.2	2.0"NPT
2.0" x 1/2"	64	42.9	1/2"NPT
2.0" x 3/4"	64	42.9	3/4"NPT
2.0" x 1.0"	64	42.9	1.0"NPT
2.0" x 1-1/4"	64	42.9	1-1/4"NPT
2.0" x 1-1/2"	64	62.7	1-1/2"NPT
2.0" x 2.0"	64	59.5	2.0"NPT
2.0" x 2-1/2"	64	61.1	2-1/2"NPT
2-1/2" x 1.0"	77.5	33.3	1.0"NPT
2-1/2" x 1-1/2"	77.5	42	1-1/2"NPT
2-1/2" x 2.0"	77.5	43.7	2.0"NPT
2-1/2" x 2-1/2"	77.5	43.7	2-1/2"NPT
3.0" x 2-1/2"	91	55.6	2-1/2"NPT
3.0" x 3.0"	91	55.6	3.0"NPT
4.0" x 2.0"	119	55.6	2.0"NPT
4.0" x 3.0"	119	55.6	3.0"NPT
4.0" x 4.0"	119	66.7	4.0"NPT

Adapters

Rubber hose adapter

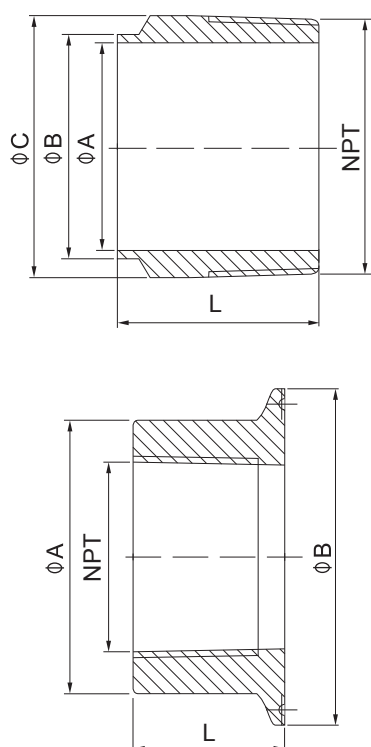
14MPHR



SIZE	A	B	C	L
1/2" x 1/8"	25.2	1.57	3.73	38.1
1/2" x 1/4"	25.2	4.75	7.92	38.1
1/2" x 3/8"	25.2	5.5	10.3	38.1
1/2" x 1/2"	25.2	9.5	13.7	38.1
1/2" x 3/4"	25.2	15.87	21.33	38.1
3/4" x 1/8"	25.2	1.57	3.73	38.1
3/4" x 1/4"	25.2	4.75	7.92	38.1
3/4" x 3/8"	25.2	5.5	10.3	38.1
3/4" x 1/2"	25.2	9.5	13.7	38.1
3/4" x 3/4"	25.2	15.87	21.33	38.1
1.0"	50.5	20.6	25.4	42.9
1-1/2"	50.5	33.3	38.1	42.9
2.0"	64	46	50.8	58.7
2-1/2"	77.5	58.7	63.5	59.5
3.0"	91	72	76.2	78.6
4.0"	119	97.4	101.6	96.5

Welding adapter

B19w



SIZE	A	B	C	NPT	L
1.0"	22.1	25.4	33.4	1.0"-11.5	44.5
1.5"	34.8	38.1	48.3	1.5"-11.5	44.5
2.0"	47.5	50.8	60.3	2.0"-11.5	46
2.5"	60.2	63.5	73.0	2.5"-8	58.7
3.0"	72.9	76.2	88.9	3.0"-8	63.5
4.0"	97.4	101.6	114.3	4.0"-8	65.1
6.0"	146.9	152.4	168.3	6.0"-8	76.2

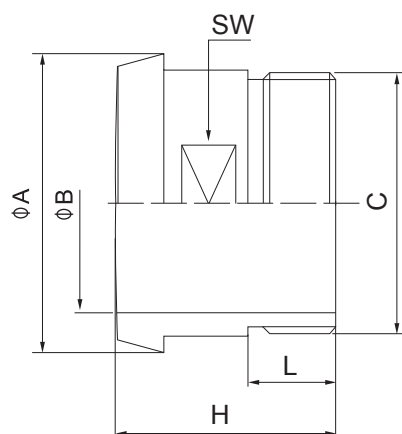
Temperature cap

23bmp

SIZE	A	B	NPT	L
1.0"	25.4	50.5	1/2"-14	15.8
1.5"	38.1	50.5	3/4"-14	15.8
2.0"	50.8	64	3/4"-14	15.8
2.5"	63.5	77.5	3/4"-14	15.8
3.0"	76.2	91	3/4"-14	15.8
4.0"	101.6	119	3/4"-14	15.8

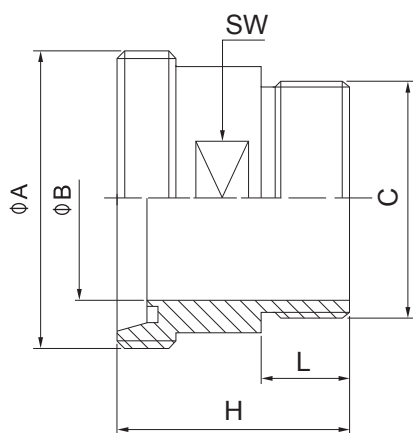
Adapters

Liner adapter with threads

41MP


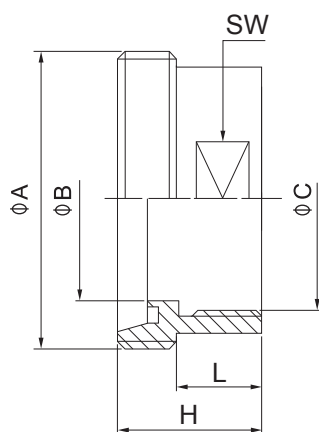
SIZE	A	B	C	L	H	SW
DN10	10	22	R3/8"	14	38	14
DN15	16	28	R1/2"	14	38	19
DN20	20	36	R3/4"	14	40	27
DN25	26	44	R1.0"	20	50	30
DN32	32	50	R1-1/4"	20	50	36
DN40	38	56	R1-1/2"	20	50	44
DN50	50	68	R2.0"	20	50	55
DN65	66	86	R2-1/2"	22	65	70
DN80	81	100	R3.0"	25	60	88
DN100	100	121	R4.0"	30	70	110

Male adapter with threads

42MP


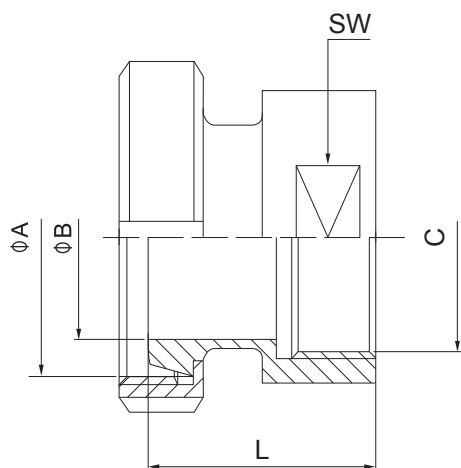
SIZE	A	B	C	L	H	SW
DN10	10	Rd28 x 1/8"	R3/8"	14	40	17
DN15	16	Rd34 x 1/8"	R1/2"	14	40	24
DN20	20	Rd44 x 1/8"	R3/4"	14	42	30
DN25	26	Rd52 x 1/8"	R1.0"	20	48	41
DN32	32	Rd58 x 1/8"	R1-1/4"	20	48	46
DN40	38	Rd65 x 1/8"	R1-1/2"	20	50	50
DN50	50	Rd78 x 1/8"	R2.0"	20	52	65
DN65	66	Rd95 x 1/8"	R2-1/2"	22	56	80
DN80	81	Rd110 x 1/4"	R3.0"	25	66	95
DN100	100	Rd130 x 1/4"	R4.0"	30	72	117

Male adapter with female

43MP


SIZE	A	B	C	L	H	SW
DN10	10	Rd28 x 1/8"	R3/8"	14	30	17
DN15	16	Rd34 x 1/8"	R1/2"	14	30	24
DN20	20	Rd44 x 1/8"	R3/4"	14	30	30
DN25	26	Rd52 x 1/8"	R1.0"	20	35	41
DN32	32	Rd58 x 1/8"	R1-1/4"	20	35	46
DN40	38	Rd65 x 1/8"	R1-1/2"	20	35	50
DN50	50	Rd78 x 1/8"	R2.0"	20	35	65
DN65	66	Rd95 x 1/8"	R2-1/2"	22	38	80
DN80	81	Rd110 x 1/4"	R3.0"	25	43	95
DN100	100	Rd130 x 1/4"	R4.0"	30	50	117

Adapters

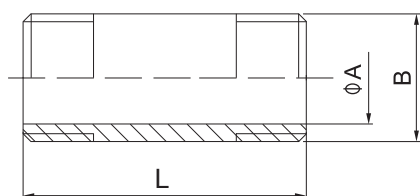


Liner adapter with female

44MP					
SIZE	A	B	C	L	SW
DN10	10	22.5	R3/8"	39	19
DN15	16	28.5	R1/2"	41	24
DN20	20	36.5	R3/4"	42	30
DN25	26	44	R1.0"	52	41
DN32	32	50	R1-1/4"	55	46
DN40	38	56	R1-1/2"	56	50
DN50	50	68.5	R2.0"	58	65
DN65	66	86	R2-1/2"	64	80
DN80	81	100	R3.0"	74	95
DN100	100	121	R4.0"	89	117

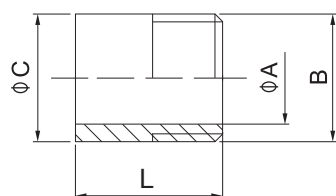
Double nipple

DIN2999			
SIZE	A	B	L
DN6	6.2	R1/8"	30
DN8	8.9	R1/4"	30
DN10	12.6	R3/8"	40
DN15	16.1	R1/2"	60
DN20	21.7	R3/4"	60
DN25	27.3	R1.0"	60
DN32	36.0	R1-1/4"	80
DN40	41.9	R1-1/2"	80
DN50	53.1	R2.0"	100
DN65	68.9	R2-1/2"	100
DN80	80.9	R3.0"	120
DN100	105.3	R4.0"	120



Welding nipple with pipemale

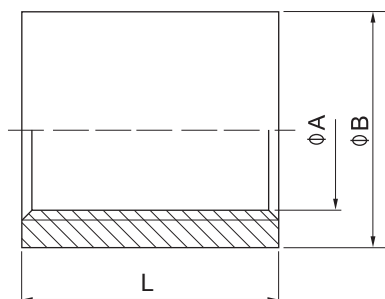
DIN2999				
SIZE	A	B	C	L
DN6	6.2	R1/8"	10.2	30
DN8	8.9	R1/4"	13.5	30
DN10	12.6	R3/8"	17.2	30
DN15	16.1	R1/2"	21.3	35
DN20	21.7	R3/4"	26.9	40
DN25	27.3	R1.0"	33.7	40
DN32	36.0	R1-1/4"	42.4	50
DN40	41.9	R1-1/2"	48.3	50
DN50	53.1	R2.0"	60.3	55
DN65	68.9	R2-1/2"	76.1	60
DN80	80.9	R3.0"	88.9	65
DN100	105.3	R4.0"	114.3	90



Adapters

Nipple with female

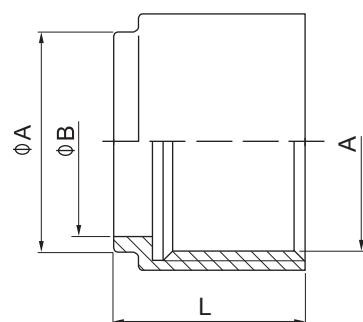
DIN2999



SIZE	A	B	L
DN10	R3/8"	21.3	26
DN15	R1/2"	26.4	34
DN20	R3/4"	31.8	36
DN25	R1.0"	39.5	43
DN32	R1-1/4"	48.3	48
DN40	R1-1/2"	54.5	48
DN50	R2.0"	68.3	56
DN65	R2-1/2"	82	65
DN80	R3.0"	95	71
DN100	R4.0"	122	80

Welding adapter with female

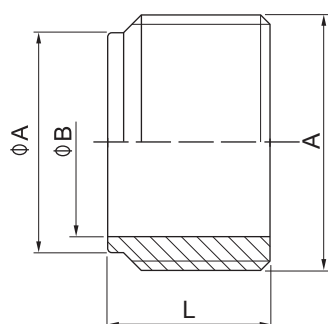
DIN2999



SIZE	A	B	C	L
DN6	R1/8"	6	9	18
DN8	R1/4"	8	11	20
DN10	R3/8"	10	13	20
DN15	R1/2"	15	18	22
DN20	R3/4"	20	24	22
DN25	R1.0"	26	30	27
DN32	R1-1/4"	32	37	32
DN40	R1-1/2"	38	43	32
DN50	R2.0"	50	55	32
DN65	R2-1/2"	66	71	38
DN80	R3.0"	81	85	45
DN100	R4.0"	100	106	55

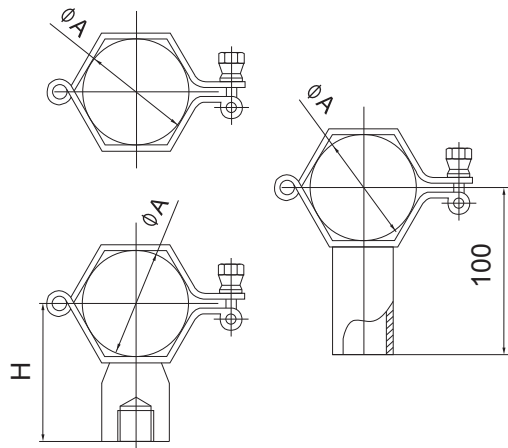
Welding adapter with threads

DIN2999

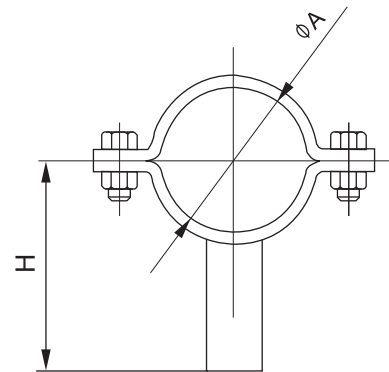


SIZE	A	B	C	L
DN6	R1/8"	6	9	15
DN8	R1/4"	8	11	17
DN10	R3/8"	10	13	17
DN15	R1/2"	15	18	20
DN20	R3/4"	20	24	20
DN25	R1.0"	26	30	22
DN32	R1-1/4"	32	37	27
DN40	R1-1/2"	38	43	27
DN50	R2.0"	50	55	27
DN65	R2-1/2"	66	71	31
DN80	R3.0"	81	85	37
DN100	R4.0"	100	106	37

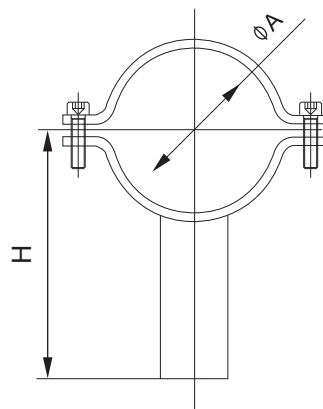
Tubing hanger



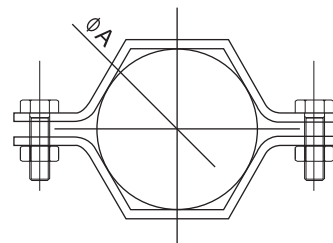
TH3



TH5



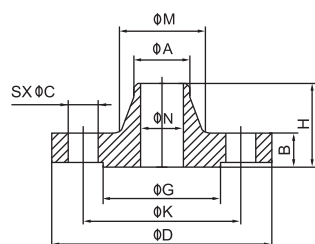
TH4



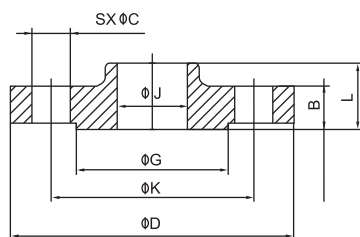
TH2

SIZE		A	H
DIN	ISO		
DN25	26.9	27	75.5
DN32	33.7	34	78.5
DN40	42.4	40	81.5
DN50	48.3	50	88
DN65	60.3	60	98
		76	102
DN80	88.9	86	105.5
DN100		102	116
	114.3	114	122

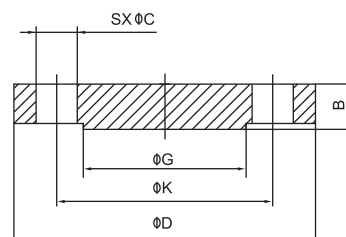
Flanges



RF-WN



RF-SO

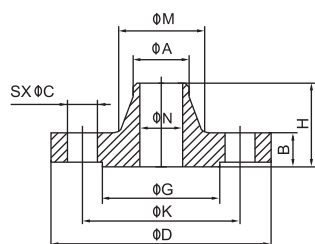


RF-BL

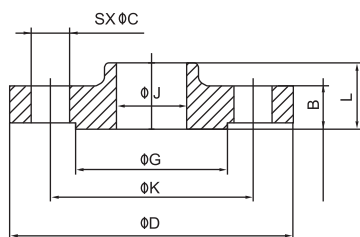
B16.5 150LBS

SIZE	D	K	G	B	H	N	A	M	J	L	SXC	WEIGHT(kg)		
												WN	SO	BL
1/2"	88.9	60.3	34.9	11.1	47.6	15.7	21.3	30.2	22.3	15.9	4 x 15.9	0.5	0.4	0.4
3/4"	98.4	69.8	42.9	12.7	52.4	20.8	26.7	38.1	27.7	15.9	4 x 15.9	0.7	0.7	0.7
1"	107.9	79.4	50.8	14.3	55.6	26.7	33.5	49.2	34.5	17.5	4 x 15.9	1.1	0.8	0.9
1 1/4"	117.5	88.9	63.5	15.9	57.1	35.1	42.2	58.8	43.2	20.6	4 x 15.9	1.5	1.1	1.3
1 1/2"	127.0	98.4	73.0	17.5	61.9	40.9	48.3	65.1	49.5	22.2	4 x 15.9	1.8	1.4	1.6
2"	152.4	120.6	92.1	19.0	63.5	52.6	60.3	77.8	62.0	25.4	4 x 19.9	2.7	2.2	2.6
2 1/2"	177.8	139.7	104.8	22.2	69.8	62.7	73.1	90.5	74.7	28.6	4 x 19.9	4.4	3.6	4.1
3"	190.5	152.4	127.0	23.8	69.8	78.0	88.9	107.9	90.7	30.2	4 x 19.9	5.2	4.1	5.0
3 1/2"	215.9	177.8	139.7	23.8	71.4	90.2	101.6	122.2	103.4	31.7	8 x 19.9	6.4	5.2	6.4
4"	228.6	190.5	157.2	23.8	76.2	102.4	114.3	134.9	116.1	33.3	8 x 19.9	7.5	5.6	7.1
5"	254.0	215.9	185.7	23.8	88.9	128.3	141.2	163.5	143.8	36.5	8 x 22.2	9.2	6.3	9.0
6"	297.4	241.3	215.9	25.4	88.9	154.2	168.4	192.1	170.7	39.7	8 x 22.2	11	7.5	11.8
8"	342.9	298.4	269.9	28.6	101.6	202.7	219.1	246.1	221.5	44.4	8 x 22.2	18.3	12.6	21.0
10"	406.4	361.9	323.8	30.2	101.6	254.5	273.0	304.8	276.3	49.2	12 x 25.4	25.0	18.5	30.0
12"	482.6	431.8	381.0	31.7	114.3	304.8	323.8	365.1	327.1	55.6	12 x 25.4	39.0	28.0	45.0
14"	533.4	476.2	412.7	34.9	127.0	336.5	355.6	400.0	359.1	57.1	12 x 28.6	51.0	36.0	59.0
16"	596.9	539.7	469.9	36.5	127.0	387.3	406.4	457.2	410.5	63.5	16 x 28.6	60.0	46.0	79.0
18"	635.0	577.8	533.4	39.7	139.7	438.1	457.2	504.8	461.8	68.3	16 x 31.7	71.0	50.0	97.0
20"	698.5	635.0	584.2	42.9	144.5	488.9	508.0	558.8	513.1	73.0	20 x 31.7	88.0	64.0	124
22"	749.3	692.1	641.2	46.0	149.2	539.7	558.8	609.6	564.4	79.4	20 x 34.9	102	72.0	154
24"	812.8	749.3	692.1	47.6	152.4	590.5	609.6	663.6	615.9	82.5	20 x 34.9	119	89.0	188

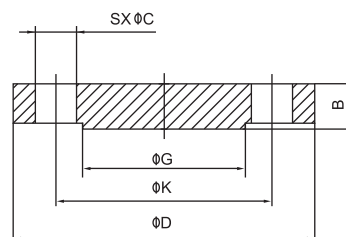
Flanges



RF-WN



RF-SO

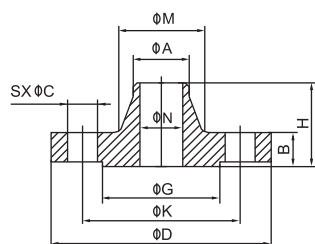


RF-BL

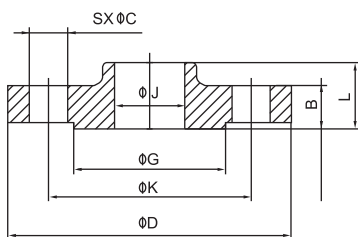
B16.5 300LBS

SIZE	D	K	G	B	H	N	A	M	J	L	SXC	WEIGHT(kg)		
												WN	SO	BL
1/2"	95.2	66.7	34.9	14.3	52.6	15.7	21.3	38.1	22.3	22.2	4 x 15.9	0.9	0.7	0.7
3/4"	117.5	82.5	42.9	15.9	57.1	20.8	26.7	47.6	27.7	25.4	4 x 19.0	1.5	1.1	1.2
1"	123.8	88.9	50.8	17.5	61.9	26.7	33.5	54.0	34.5	27.0	4 x 19.0	1.9	1.4	1.5
1 1/4"	133.3	98.4	63.5	19.0	65.1	35.1	42.2	63.5	43.2	27.0	4 x 19.0	2.6	1.8	2.0
1 1/2"	155.6	114.3	73.0	20.6	68.3	40.9	48.3	69.8	49.5	30.2	4 x 22.2	3.3	2.6	2.9
2"	165.1	127.0	92.1	22.2	69.8	52.6	60.3	84.1	62.0	33.3	8 x 19.0	3.6	3.4	3.4
2 1/2"	190.5	149.2	104.8	25.4	76.2	62.7	73.1	100.0	74.7	38.1	8 x 22.2	5.4	4.4	5.1
3"	209.5	168.3	127.0	28.6	79.4	78.0	88.9	117.5	90.7	42.9	8 x 22.2	7.4	6.1	7.0
3 1/2"	228.6	184.1	139.7	30.2	81.0	90.2	101.6	133.3	103.4	44.4	8 x 22.2	8.9	7.5	8.9
4"	254.0	200.0	157.2	31.7	85.7	102.4	114.3	146.0	116.1	47.6	8 x 22.2	11.9	10.1	11.8
5"	279.0	234.9	185.7	34.9	98.4	128.3	141.2	177.8	143.8	50.8	8 x 22.2	16.0	12.5	15.5
6"	317.5	269.9	215.9	36.5	98.4	154.2	168.4	206.4	170.7	52.4	12 x 22.2	20.2	14.1	21.3
8"	381.0	330.2	269.9	41.3	111.1	202.7	219.1	260.3	221.5	61.9	12 x 25.4	31.0	24.8	35.2
10"	444.5	387.3	323.8	47.6	117.5	254.5	273.0	320.7	276.3	66.7	16 x 28.6	44.3	37.1	57.0
12"	520.7	450.8	381.0	50.8	130.2	304.8	323.8	374.6	327.1	73.0	16 x 31.7	64.0	50.0	82.0
14"	584.2	514.3	412.7	54.0	142.9	336.5	355.6	425.4	359.1	76.2	20x 31.7	88.0	70.0	106
16"	647.7	571.5	469.9	57.1	146.0	387.3	406.4	482.6	410.5	82.5	20 x 34.9	113	90.0	140
18"	711.2	628.6	533.4	60.3	158.7	438.1	457.2	533.4	461.8	88.9	24 x 34.9	134	112	178
20"	774.7	685.8	584.2	63.5	161.9	488.9	508.0	587.4	513.1	95.2	24 x 34.9	171	133	223
22"	838.2	742.6	641.2	66.7	165.1	539.7	558.8	641.2	564.4	101.6	24 x 41.3	195	197	270
24"	914.4	812.8	692.1	69.8	168.3	590.5	609.6	701.7	615.9	106.4	24 x 41.3	238	208	345

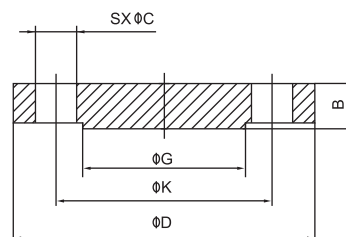
Flanges



RF-WN



RF-SO

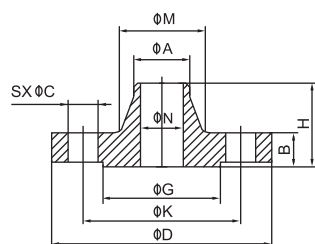


RF-BL

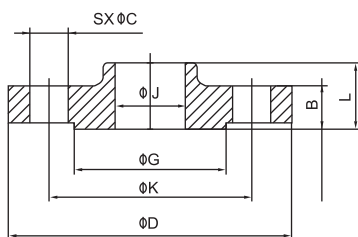
B16.5 600LBS

SIZE	D	K	G	B	H	N	A	M	J	L	SXC	WEIGHT(kg)		
												WN	SO	BL
1/2"	95.2	66.7	34.9	14.3	52.6	15.7	21.3	38.1	22.3	22.2	4 x 15.9	0.9	0.8	0.7
3/4"	117.5	82.5	42.9	15.9	57.1	20.8	26.7	47.6	27.7	25.4	4 x 19.0	1.5	1.4	1.2
1"	123.8	88.9	50.8	17.5	61.9	26.7	33.5	54.0	34.5	27.0	4 x 19.0	1.9	1.6	1.5
1 1/4"	133.3	98.4	63.5	20.6	66.7	35.1	42.2	63.5	43.2	28.6	4 x 19.0	2.6	2.1	2.0
1 1/2"	155.6	114.3	73.0	22.2	69.8	40.9	48.3	69.8	49.5	31.7	4 x 22.2	3.3	3.1	3.2
2"	165.1	127.0	92.1	25.4	73.0	52.6	60.3	84.1	62.0	36.5	8 x 19.0	4.7	3.7	4.3
2 1/2"	190.5	149.2	104.8	28.6	79.4	62.7	73.1	100.0	74.7	41.3	8 x 22.2	6.5	5.4	6.0
3"	209.5	168.3	127.0	31.7	82.5	78.0	88.9	117.5	90.7	46.0	8 x 22.2	8.7	7.3	8.0
3 1/2"	228.6	184.1	139.7	34.9	85.7	90.2	101.6	133.3	103.4	49.2	8 x 25.4	11.2	8.9	10.5
4"	254.0	215.9	157.2	38.1	101.6	102.4	114.3	152.4	116.1	54.0	8 x 25.4	18.1	11.8	18.0
5"	279.0	266.7	185.7	44.4	114.3	128.3	141.2	188.9	143.8	60.3	8 x 28.6	30.5	24.5	28.5
6"	317.5	292.1	215.9	47.6	117.5	154.2	168.4	222.2	170.7	66.7	12 x 28.6	36.2	29.5	35.5
8"	381.0	349.2	269.9	55.6	133.3	202.7	219.1	273.0	221.5	76.2	12 x 31.7	56.5	43.0	58.0
10"	444.5	431.8	323.8	63.5	152.4	254.5	273.0	342.9	276.3	85.7	16 x 34.9	91.0	70.0	98.0
12"	520.7	488.9	381.0	66.7	155.6	304.8	323.8	400.0	327.1	92.1	20 x 34.9	105	86.0	125
14"	584.2	527.0	412.7	69.8	165.1	336.5	355.6	431.8	359.1	93.7	20 x 38.1	125	100	151
16"	647.7	603.2	469.9	76.2	177.8	387.3	406.4	459.3	410.5	106.4	20 x 41.3	178	142	213
18"	711.2	654.0	533.4	82.5	184.1	438.1	457.2	546.1	461.8	117.5	24 x 44.4	261	175	187
20"	774.7	723.9	584.2	88.9	190.5	488.9	508.0	609.6	513.1	127.0	24 x 44.4	268	232	366
22"	838.2	777.9	641.2	95.2	196.8	539.7	558.8	666.7	564.4	133.3	24 x 47.6	328	292	437
24"	914.4	838.2	692.1	101.6	203.2	590.5	609.6	717.5	615.9	139.7	24 x 50.8	380	330	532

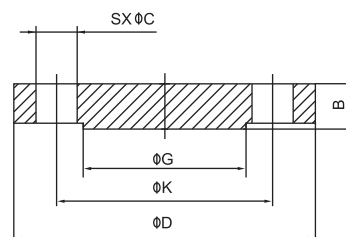
Flanges



RF-WN



RF-SO

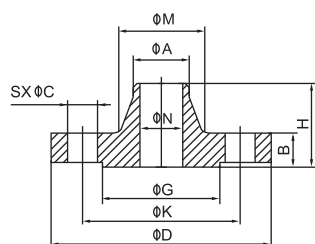


RF-BL

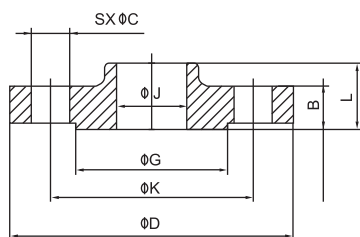
EN1092-1 PN6

DN	D	K	G	B	H	T	A	M	J	L	SXC	WEIGHT(kg)		
												WN	PL	BL
15	80	55	40	12	30	2	21.3	30	21.3	12	4 x 11	0.39	0.41	0.72
20	90	65	50	14	32	2.3	26.9	38	26.9	14	4 x 11	0.59	0.6	1.01
25	100	75	60	14	35	2.6	33.7	42	33.7	14	4 x 11	0.75	0.74	1.23
32	120	90	70	14	35	2.6	42.4	55	42.4	16	4 x 14	1.05	1.19	1.8
40	130	100	80	14	38	2.6	48.3	62	48.3	16	4 x 14	1.18	1.39	2.09
50	140	110	90	14	38	2.9	60.3	74	60.3	16	4 x 14	1.34	1.53	2.88
65	160	130	110	14	38	2.9	76.1	88	76.1	16	4 x 14	1.67	1.89	3.66
80	190	150	128	16	42	3.2	88.9	102	88.9	18	4 x 18	2.71	2.98	4.77
100	210	170	148	16	45	3.6	114.3	130	114.3	18	4 x 18	3.24	3.46	5.65
125	240	200	178	18	48	4	139.7	155	139.7	20	8 x 18	4.49	4.6	8.42
150	265	225	202	18	48	4.5	168.3	184	168.3	20	8 x 18	5.15	5.22	10.4
200	320	280	258	20	55	5.9	219.1	236	219.1	22	8 x 18	7.78	7.15	46.5
250	375	335	312	22	60	6.3	273	290	273	24	12 x 18	10.8	9.61	24
300	440	395	365	22	62	7.1	323.9	342	323.9	24	12 x 22	14	12.6	30.9
350	490	445	415	22	62	7.1	355.6	385	355.6	26	16 x 22	18.5	15.6	40.6
400	540	495	465	22	65	7.1	406.4	438	406.4	28	20 x 22	21.2	18.4	49.4
500	645	600	570	24	68	7.1	508	538	508	30	20 x 22	28.6	24.6	75
600	755	705	670	24	70	7.1	610	640	610	30	24 x 26	31.5	32.4	91.4

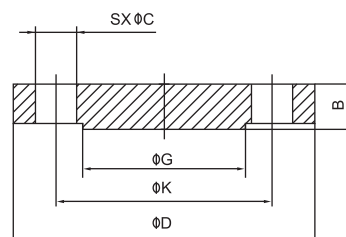
Flanges



RF-WN



RF-SO

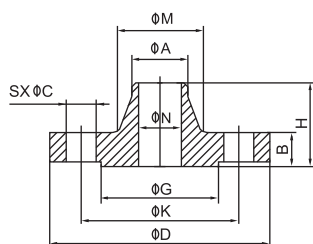


RF-BL

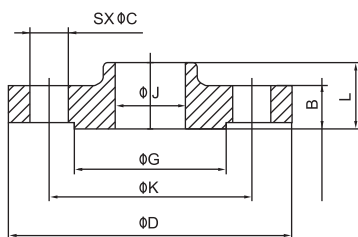
EN1092-1 PN6

DN	D	K	G	B	H	T	A	M	J	L	SXC	WEIGHT(kg)		
												WN	PL	BL
15	95	65	45	14	35	2	21.3	32	21.3	14	4 x 14	0.65	0.68	0.72
20	105	75	58	16	38	2.3	26.9	40	26.9	16	4 x 14	0.95	0.94	1.01
25	115	85	68	16	38	2.6	33.7	45	33.7	16	4 x 14	1.14	1.14	1.23
32	140	100	78	16	40	2.6	42.4	56	42.4	16	4 x 18	1.69	1.66	1.8
40	150	110	88	16	42	2.6	48.3	64	48.3	16	4 x 18	1.86	1.89	2.09
50	165	125	102	18	45	2.9	60.3	75	60.3	18	4 x 18	2.53	2.51	2.88
65	185	145	122	18	45	2.9	76.1	90	76.1	18	4 x 18	3.06	3.0	3.66
80	200	160	138	20	50	3.2	88.9	105	88.9	20	8 x 18	3.7	3.75	4.77
100	220	180	158	20	52	3.6	114.3	131	114.3	20	8 x 18	4.62	4.2	5.65
125	250	210	188	22	55	4	139.7	156	139.7	22	8 x 18	6.3	5.71	8.42
150	285	240	212	22	55	4.5	168.3	184	168.3	22	8 x 22	7.75	6.72	10.4
200	340	295	268	24	62	5.9	219.1	235	219.1	24	8 x 22	11.3	9.31	46.5
250	395	350	320	26	68	6.3	273	292	273	26	12 x 22	14.7	12.5	24
300	445	400	370	26	68	7.1	323.9	344	323.9	26	12 x 22	17.4	13.8	30.9
350	505	460	430	26	68	7.1	355.6	385	355.6	26	16 x 22	23.6	20.6	40.6
400	565	515	482	26	72	7.1	406.4	440	406.4	26	16 x 26	28.6	27.9	49.4
500	670	620	585	28	75	7.1	508	542	508	28	20 x 26	38.1	41.1	75
600	780	725	658	28	80	7.1	610	642	610	28	20 x 30	44.6	45.2	91.4

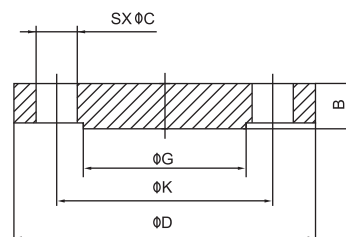
Flanges



RF-WN



RF-SO



RF-BL

EN1092-1 PN16

DN	D	K	G	B	H	T	A	M	J	L	SXC	WEIGHT(kg)		
												WN	PL	BL
15	95	65	45	14	35	2	21.3	32	21.3	14	4 x 14	0.65	0.68	0.72
20	105	75	58	16	38	2.3	26.9	40	26.9	16	4 x 14	0.95	0.94	1.01
25	115	85	68	16	38	2.6	33.7	45	33.7	16	4 x 14	1.14	1.14	1.23
32	140	100	78	16	40	2.6	42.4	56	42.4	16	4 x 18	1.69	1.66	1.8
40	150	110	88	16	42	2.6	48.3	64	48.3	16	4 x 18	1.86	1.89	2.09
50	165	125	102	18	45	2.9	60.3	75	60.3	18	4 x 18	2.53	2.51	2.88
65	185	145	122	18	45	2.9	76.1	90	76.1	18	4 x 18	3.06	3.0	3.66
80	200	160	138	20	50	3.2	88.9	105	88.9	20	8 x 18	3.7	3.75	4.77
100	220	180	158	20	52	3.6	114.3	131	114.3	20	8 x 18	4.62	4.2	5.65
125	250	210	188	22	55	4	139.7	156	139.7	22	8 x 18	6.3	5.71	8.42
150	285	240	212	22	55	4.5	168.3	184	168.3	22	8 x 22	7.75	6.72	10.4
200	340	295	268	24	62	5.9	219.1	235	219.1	24	12 x 22	11.3	9.31	16.1
250	405	355	320	26	70	6.3	273	292	273	26	12 x 26	15.6	11.7	24.9
300	460	410	378	28	78	7.1	323.9	344	323.9	28	12 x 26	22	15.1	35.1
350	520	470	438	30	82	8	355.6	390	355.6	30	16 x 26	31.2	22	47.8
400	580	525	490	32	85	8	406.4	445	406.4	32	16 x 30	39.3	27.4	63.5
500	715	650	610	34	90	8	508	548	508	34	20 x 33	61	42.2	102
600	840	770	725	36	95	8.8	610	652	610	36	20 x 36	75.4	73.2	174



Sri Pumps produce Sanitar unions with DIN, SMS,ISO standards, the forged parts are made from round steel machined by CNC machines which can be done at different surface as clients requirements

Technical parameters

Size	1" - 4" DN10 - DN200 17.2 - 114.3
Material	304 304L 316 316L

Ordering specifications

Standard

Size

Material

Surfac qualities

Quantity



#89-18-45, Morumpudi Junction,
Rajahmundry-03, Andhra Pradesh, India.
Ph: +91 883 2426845, 46, Fax: +91 883 2430819
e-mail: info.sripumps@gmail.com
www.spfic.com