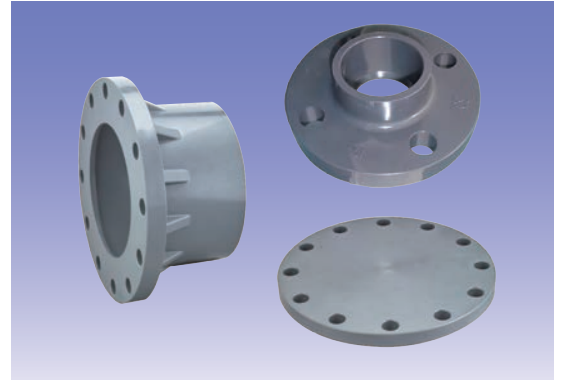
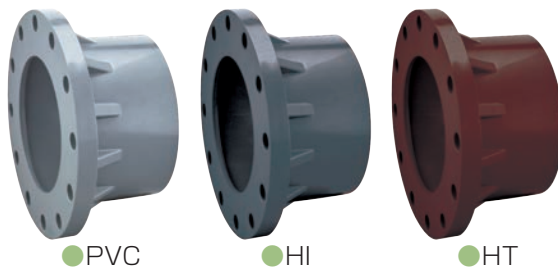


ESLON™ FLANGE



ESLON FLANGE SPECIFICATIONS

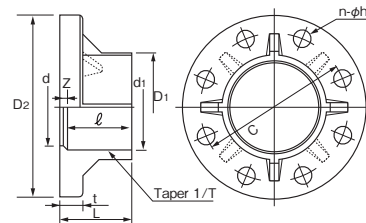
■ TS Flange (JIS 10K、JIS 5K)



●PVC

●HI

●HT



JIS 10K

Unit:mm

Size		TS socket			L	Z	d	Flange					Weight (PVC kg/pc)	Item No.		
A	B	d1	ℓ	1/T				C	D2	t	n-φh	Applicable Bolt		PVC	HI	HT
												M Length				
13	3/8	18.4	26	1/30	31	5	14	65	90	14	4-15	M12 50	0.12	TSF13	TSFHI13	TSFHT13
15(16)	1/2	22.4	30	1/34	35	5	17	70	95	14	4-15	M12 50	0.13	TSF15	TSFHI15	TSFHT15
20	3/4	26.5	35	1/34	40	5	21	75	100	14	4-15	M12 50	0.15	TSF20	TSFHI20	TSFHT20
25	1	32.6	40	1/34	45	5	25	90	125	14	4-19	M16 55	0.24	TSF25	TSFHI25	TSFHT25
32(30)	1 1/4	38.6	44	1/34	50	6	31	100	135	16	4-19	M16 60	0.31	TSF30	TSFHI30	TSFHT30
40	1 1/2	48.7	55	1/37	61	6	41	105	140	16	4-19	M16 60	0.36	TSF40	TSFHI40	TSFHT40
50	2	60.8	63	1/37	70	7	52	120	155	20	4-19	M16 70	0.52	TSF50	TSFHI50	TSFHT50
65	2 1/2	76.6	61	1/48	70	9	67	140	175	22	4-19	M16 75	0.71	TSF65	TSFHI65	TSFHT65
80(75)	3	89.6	64	1/49	72	8	78	150	185	22	8-19	M16 75	0.85	TSF80	TSFHI80	TSFHT80
100	4	114.7	84	1/56	90	6	100	175	210	22	8-19	M16 75	1.14	TSF1H	TSFHI1H	TSFHT1H
125	5	140.9	104	1/58	114	10	125	210	250	24	8-23	M20 80	1.67	TSF1Q	TSFHI1Q	TSFHT1Q
150	6	166.0	132	1/63	142	10	146	240	280	26	8-23	M20 85	2.53	TSF1F	TSFHI1F	TSFHT1F
200	8	217.5	155	1/50	166	11	196	290	330	28	12-23	M20 90	3.62	TSF2H	TSFHI2H	TSFHT2H
250	10	268.8	185	1/50	198	13	247	355	400	30	12-25	M22 95	5.48	TSF2F	TSFHI2F	TSFHT2F
300	12	319.0	185	1/57	203	18	298	400	445	32	16-25	M22 100	7.80	TSF3H	TSFHI3H	TSFHT3H

Notes: 1.Flange dimensions conform to JIS B 2220.
2.Usable maximum temperature is 80 ° C for PVC Flange.

JIS 5K

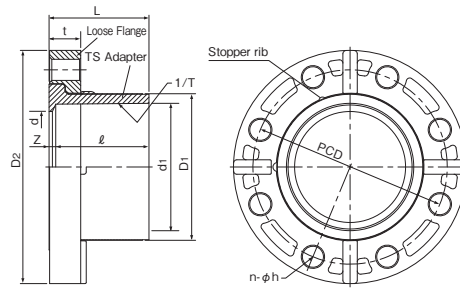
Unit :mm

Size		TS socket			L	Z	d	Flange					Weight (PVC kg/pc)	Item No.	
A	B	d1	ℓ	1/T				C	D2	t	n-φh	Applicable Bolt		PVC	HT
												M Length			
13	3/8	18.4	26	1/30	31	5	14	55	75	9	4-12	M10 45	0.05	TSF135	TSFT135
15(16)	1/2	22.4	30	1/34	35	5	17	60	80	9	4-12	M10 45	0.06	TSF155	TSFT155
20	3/4	26.5	35	1/34	40	5	21	65	85	10	4-12	M10 45	0.08	TSF205	TSFT205
25	1	32.6	40	1/34	45	5	25	75	95	10	4-12	M10 45	0.11	TSF255	TSFT255
32(30)	1 1/4	38.6	44	1/34	50	6	31	90	115	12	4-15	M12 50	0.20	TSF305	TSFT305
40	1 1/2	48.7	55	1/37	61	6	41	95	120	12	4-15	M12 50	0.25	TSF405	TSFT405
50	2	60.8	63	1/37	70	7	52	105	130	14	4-15	M12 55	0.31	TSF505	TSFT505
65	2 1/2	76.6	61	1/48	70	9	67	130	155	14	4-15	M12 55	0.43	TSF655	-
80(75)	3	89.6	64	1/49	72	8	78	145	180	14	4-19	M16 55	0.59	TSF805	-
100	4	114.7	84	1/56	92	8	100	165	200	16	8-19	M16 60	0.91	TSF1H5	-
125	5	140.9	104	1/58	114	10	125	200	235	16	8-19	M16 60	1.29	TSF1Q5	-
150	6	166.0	132	1/63	142	10	146	230	265	18	8-19	M16 65	2.05	TSF1F5	-
200	8	217.5	155	1/50	166	11	196	280	320	28	8-23	M20 90	3.43	TSF2H5	-
250	10	268.8	185	1/50	198	13	247	345	385	30	12-23	M20 95	5.19	TSF2F5	-

Notes: 1.Flange dimensions conform to JIS B 2220.
2.Usable maximum temperature is 80 ° C for PVC Flange.

NEW!

TS Loose Flange



※Use ESLON GASKET for sealing.

Unit: mm

Size		TS Adapter					Loose Flange				L	Z	Weight PVC kg/pc	Item No.	
A	B	Inlet diameter d1	Socket length ℓ	Taper 1/T	D ₁	d	D ₂	PCD	t	n-φ h				PVC	HI
15	1/2	22.4	30	1/34	31	17	95	70	21	4-15				36	6
20	3/4	26.5	35	1/34	35	21	100	75	21	4-15	41	6	0.15	TLF20	TLFHI20
25	1	32.6	40	1/34	41	25	125	90	21	4-19	46	6	0.24	TLF25	TLFHI25
30	1 1/4	38.6	44	1/34	48	31	135	100	23	4-19	51	7	0.31	TLF30	TLFHI30
40	1 1/2	48.7	55	1/37	61	41	140	105	23	4-19	62	7	0.36	TLF40	TLFHI40
50	2	60.8	63	1/37	73	52	155	120	25	4-19	70	7	0.45	TLF50	TLFHI50
65	2 1/2	76.6	61	1/48	88	67	175	140	25	4-19	70	9	0.56	TLF65	TLFHI65
80	3	89.6	64	1/49	102	78	185	150	27	8-19	72	8	0.64	TLF80	TLFHI80
100	4	114.7	84	1/56	132	100	210	175	28	8-19	90	6	0.93	TLF1H	TLFHI1H
125	5	140.9	104	1/58	158	125	250	210	28	8-23	114	10	1.35	TLF1Q	TLFHI1Q
150	6	166.0	132	1/63	186	146	280	240	32	8-23	142	10	2.06	TLF1F	TLFHI1F
200	8	217.5	155	1/50	238	196	330	290	36	12-23	166	11	3.02	TLF2H	TLFHI2H

Notes: 1. Referred to the JIS K 6743 standard (Unplasticized poly (vinyl chloride) (PVC-U) pipe fittings for water supply) for the TS adapter dimensions.
2. Referred to the JIS B 2220 standard (Steel welding pipe flanges) for the loose flange dimensions.

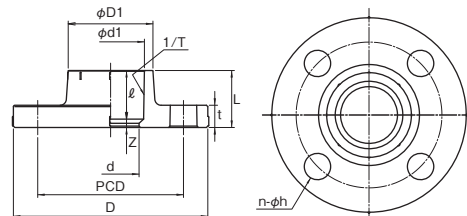
Compact Flange



●HI-PVC



●PVC



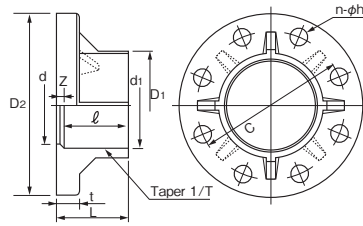
JIS 10K

Unit: mm

Size		TS socket				L	Z	d	Flange						Weight (PVC) kg/pc	Item No.	
A	B	d1	ℓ	1/T	D1				C	D2	t	n-φ h	Applicable Bolt				
													M	Length		PVC	HI
25	1	32.3	29	1／43	40	34	5	25	90	125	14	4-19	M16	55	0.22	TCF25	TCFHI25
32(30)	1 1/4	38.4	32	1／37	48	38	6	31	100	135	16	4-19	M16	60	0.29	TCF30	TCFHI30
40	1 1/2	48.5	35	1／38	61	41	6	41	105	140	16	4-19	M16	60	0.32	TCF40	TCFHI40
50	2	60.6	38	1／34	73	45	7	52	120	155	20	4-19	M16	70	0.47	TCF50	TCFHI50

Notes: 1. Flange dimensions conform to JIS B 2220.
2. Usable maximum temperature is 80 °C for PVC Flange.

■ TS Flange (ANSI, Water Supply Type)



ANSI

Unit:mm

Size		TS socket				L	Z	d	Flange				Weight (PVC) (kg/pc)	Item No.		
A	B	d1	ℓ	1/T	D1				C	D2	t	n-φh		PVC	HI	HT
15(16)	1/2	22.4	30	1/34	31	35	5	17	60.5	89.0	14	4-16	0.13	TSF15U	TSFI15U	TSFT15U
20	3/4	26.5	35	1/34	35	40	5	21	70.0	98.6	14	4-16	0.15	TSF20U	TSFI20U	TSFT20U
25	1	32.6	40	1/34	42	45	5	25	79.5	108.0	14	4-16	0.24	TSF25U	TSFI25U	TSFT25U
32(30)	1 1/4	38.6	44	1/34	48	50	6	31	89.0	117.5	16	4-16	0.31	TSF30U	TSFI30U	TSFT30U
40	1 1/2	48.7	55	1/37	61	61	6	41	98.5	127.0	16	4-16	0.36	TSF40U	TSFI40U	TSFT40U
50	2	60.8	63	1/37	73	70	7	52	120.5	155.0	20	4-20	0.52	TSF50U	TSFI50U	TSFT50U
65	2 1/2	76.6	61	1/48	88	70	9	67	139.5	175.0	22	4-20	0.71	TSF65U	TSFI65U	TSFT65U
80(75)	3	89.6	64	1/49	102	72	8	78	152.5	190.5	22	4-20	0.89	TSF80U	TSFI80U	TSFT80U
100	4	114.7	84	1/56	132	90	6	100	190.5	229.0	22	8-20	1.65	TSF1HU	TSFI1HU	TSFT1HU
125	5	140.9	104	1/58	158	114	10	125	216.0	250.0	24	8-22	1.67	TSF1QU	TSFI1QU	TSFT1QU
150	6	166.0	132	1/63	186	142	10	146	241.5	280.0	26	8-22	2.53	TSF1FU	TSFI1FU	TSFT1FU
200	8	217.5	155	1/50	238	166	11	196	298.5	343.0	28	8-22	4.39	TSF2HU	TSFI2HU	TSFT2HU
250	10	268.8	185	1/50	289	198	13	247	362.0	406.0	30	12-26	5.48	TSF2FU	TSFI2FU	TSFT2FU
300	12	319.0	185	1/57	344	203	18	298	432.0	483.0	32	12-26	7.80	TSF3HU	TSFI3HU	TSFT3HU

Notes: Flange dimensions conform to ANSI B16.5-1981 class 150.

Water Supply

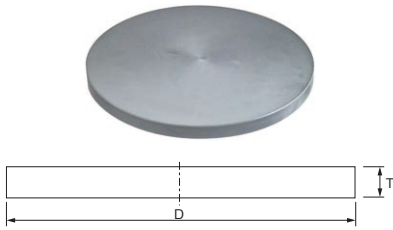
Unit:mm

Size		TS socket				L	Z	d	Flange				Applicable Bolt		Weight (PVC) (kg/pc)	Item No.
A	B	d1	ℓ	1/T	D1				C	D2	t	n-φh	M	Length		
75	3	89.6	64	1/49	102	72	8	78	168	211	22	4-19	M16	75	1.13	TSF75W
100	4	114.7	84	1/56	132	90	6	100	195	238	24	4-19	M16	80	1.65	TSF1HW
125	5	140.9	104	1/58	158	114	10	125	220	263	24	6-19	M16	80	2.09	TSF1QW
150	6	166.0	132	1/63	186	142	10	146	247	290	26	6-19	M16	85	2.87	TSF1FW
200	8	217.5	155	1/50	238	166	11	196	299	342	28	8-19	M16	90	4.39	TSF2HW
250	10	268.8	185	1/50	289	198	13	247	360	410	30	8-23	M20	95	6.25	TSF2FW
300	12	319.0	185	1/57	344	203	18	298	414	464	32	10-23	M20	100	8.60	TSF3HW

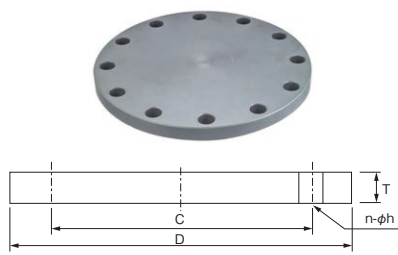
Notes: Flange dimensions conform to JWWA G113,114.

Blind Flange

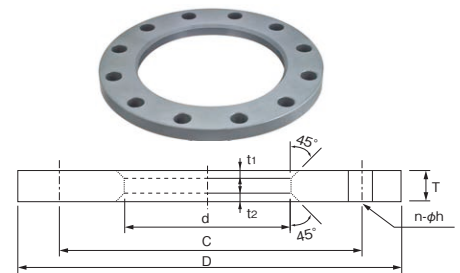
● SP Type



● SB Type



● SJ Type



JIS 10K

Unit:mm

Size		D	C	d	T	t1	t2	n-φ h	Applicable Bolt		Weight (PVC kg/pc)			Item No.				
A	B								M	Length	SP	SB	SJ	PVC			HI	HT
														SP	SB	SJ	SB	SB
13	3/8	90	65	18	12	1.5	3	4-15	M12	50	0.112	0.100	0.095	FSP13	FSB13	FSJ13	-	-
15 (16)	1/2	95	70	22	12	1.5	3	4-15	M12	50	0.125	0.113	0.106	FSP15	FSB15	FSJ15	FSBHI15	FSBT15
20	3/4	100	75	26	14	1.5	3	4-15	M12	50	0.162	0.147	0.136	FSP20	FSB20	FSJ20	FSBHI20	FSBT20
25	1	125	90	32	14	1.5	3	4-19	M16	55	0.253	0.229	0.213	FSP25	FSB25	FSJ25	FSBHI25	FSBT25
32 (30)	1 1/4	135	100	38	16	2.5	3	4-19	M16	60	0.337	0.310	0.283	FSP30	FSB30	FSJ30	FSBHI30	FSBT30
40	1 1/2	140	105	48	16	2.5	3	4-19	M16	60	0.362	0.335	0.293	FSP40	FSB40	FSJ40	FSBHI40	FSBT40
50	2	155	120	60	16	2.5	4	4-19	M16	70	0.444	0.417	0.351	FSP50	FSB50	FSJ50	FSBHI50	FSBT50
65	2 1/2	175	140	76	18	2.5	4	4-19	M16	75	0.636	0.606	0.486	FSP65	FSB65	FSJ65	FSBHI65	FSBT65
80 (75)	3	185	150	89	18	2.5	4	8-19	M16	75	0.711	0.651	0.487	FSP80	FSB80	FSJ80	FSBHI80	FSBT80
100	4	210	175	114	18	3	4	8-19	M16	80	0.916	0.856	0.586	FSP1H	FSB1H	FSJ1H	FSBHI1H	FSBT1H
125	5	250	210	140	20	4	4	8-23	M20	80	1.443	1.345	0.893	FSP1Q	FSB1Q	FSJ1Q	FSBHI1Q	FSBT1Q
150	6	280	240	165	22	4	4	8-23	M20	85	1.991	1.884	1.192	FSP1F	FSB1F	FSJ1F	FSBHI1F	FSBT1F
200	8	330	290	216	22	4	4	12-23	M20	90	2.766	2.605	1.420	FSP2H	FSB2H	FSJ2H	FSBHI2H	FSBT2H
250	10	400	355	267	24	4	4	12-25	M22	95	4.310	3.975	2.189	FSP2F	FSB2F	FSJ2F	FSBHI2F	FSBT2F
300	12	445	400	321	24	4	4	16-25	M22	95	5.335	4.835	2.288	FSP3H	FSB3H	FSJ3H	FSBHI3H	FSBT3H

JIS 10K Flange:Maximum Premissible pressure and temperature

Material	Max. Premissible pressure	Max. operating temperature
PVC	13A~150A:1.0MPa, 200A:0.6MPa, 250A~300A:0.5MPa	60℃
HI	15A~100A:1.0MPa, 125~150A:0.8MPa, 200A:0.5MPa, 250A:0.4MPa, 300A:0.3MPa	60℃
HT	15A~150A:1.0MPa, 200A:0.6MPa, 250A~300A:0.5MPa	90℃

JIS 5K

Unit:mm

Size		D	C	d	T	t1	t2	n-φh	Applicable Bolt		Weight(PVC kg/pc)			Item No.		
A	B								PVC							
									SP	SB	SJ					
13	3/8	75	55	18	9	1.5	3	4-12	M10	45	0.058	0.052	0.049	FSP135	FSB135	FSJ135
15 (16)	1/2	80	60	22	9	1.5	3	4-12	M10	45	0.067	0.061	0.055	FSP155	FSB155	FSJ155
20	3/4	85	65	26	10	1.5	3	4-12	M10	45	0.083	0.077	0.069	FSP205	FSB205	FSJ205
25	1	95	75	32	10	1.5	3	4-12	M10	45	0.104	0.098	0.086	FSP255	FSB255	FSJ255
32 (30)	1 1/4	115	90	38	12	2.5	3	4-15	M12	50	0.183	0.171	0.151	FSP305	FSB305	FSJ305
40	1 1/2	120	95	48	12	2.5	3	4-15	M12	50	0.200	0.187	0.155	FSP405	FSB405	FSJ405
50	2	130	105	60	14	2.5	4	4-15	M12	55	0.273	0.259	0.200	FSP505	FSB505	FSJ505
65	2 1/2	155	130	76	14	2.5	4	4-15	M12	55	0.388	0.374	0.280	FSP655	FSB655	FSJ655
80 (75)	3	180	145	89	14	2.5	4	4-19	M16	55	0.524	0.500	0.372	FSP805	FSB805	FSJ805
100	4	200	165	114	16	3	4	8-19	M16	60	0.739	0.656	0.445	FSP1H5	FSB1H5	FSJ1H5
125	5	235	200	140	16	4	4	8-19	M16	60	1.020	0.921	0.605	FSP1Q5	FSB1Q5	FSJ1Q5
150	6	265	230	165	18	4	4	8-19	M16	65	1.459	1.328	0.834	FSP1F5	FSB1F5	FSJ1F5
200	8	320	280	216	20	4	4	8-23	M20	90	2.364	2.142	1.189	FSP2H5	FSB2H5	FSJ2H5
250	10	385	345	267	22	4	4	12-23	M20	95	3.660	3.390	1.740	FSP2F5	FSB2F5	FSJ2F5
300	12	430	390	321	22	4	4	12-23	M20	95	4.566	4.209	1.859	FSP3H5	FSB3H5	FSJ3H5