

SEKISUI

■ Rigid polyvinyl chloride water pipes and fittings

ESLON TS Joint

Approved Drawings

SEKISUI CHEMICAL CO.,LTD.

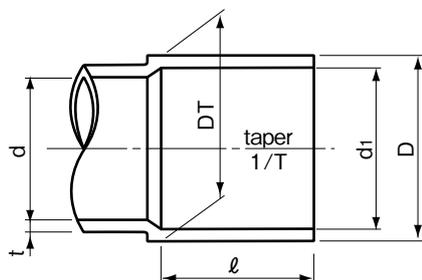
ESLON TS Joint Approved Drawings

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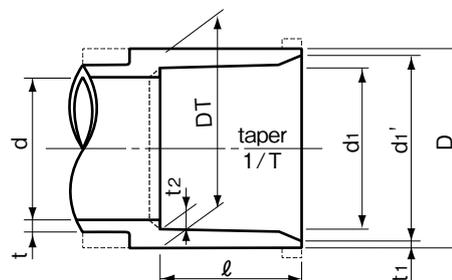
■ ESLON TS Joint

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Item Rigid polyvinyl chloride water pipes and fittings
ESLON TS joint for waterway
 Common dimensions of socket (A type)



Nominal diameter 13~50mm



Nominal diameter 65~150mm

Unit : mm

Nominal diameter	d1		1/T	ℓ	d1' (Min. value)	d (Min. value)	Outer diameter of socket			t1	t2	t1,t2 Tolerance	Thickness t	
	Basic dimension	Tolerance					D	DT	Tolerance				Basic dimension	Tolerance
13	18.40	±0.20	1/30	26.0	—	13	24.0	24.0	-0.6	—	—	—	3.0	-0.3
16	22.40	±0.20	1/34	30.0	—	16	29.0	29.0	-0.7	—	—	—	3.5	-0.3
20	26.45	±0.20	1/34	35.0	—	20	33.0	33.0	-0.8	—	—	—	3.5	-0.3
25	32.55	±0.25	1/34	40.0	—	25	40.0	40.0	-1.0	—	—	—	4.0	-0.4
30	38.60	±0.25	1/34	44.0	—	31	46.0	46.0	-1.0	—	—	—	4.0	-0.4
40	48.70	±0.30	1/37	55.0	—	40	57.0	57.0	-1.2	—	—	—	4.5	-0.4
50	60.80	±0.30	1/37	63.0	—	51	70.0	70.0	-1.5	—	—	—	5.0	-0.5
65	76.60	±0.30	1/48	61.0	76.90	67	87.0	88.5	-1.5	5.0	6.6	-0.5	6.6	-0.5
75	89.60	±0.30	1/49	64.0	89.90	77	102.0	104.5	-1.5	6.0	8.0	-0.5	8.0	-0.5
100	114.70	±0.30	1/56	84.0	115.00	100	130.0	133.5	-1.8	7.5	10.0	-0.6	10.0	-0.6
125	140.85	±0.35	1/58	104.0	141.20	125	157.0	161.0	-1.8	8.0	11.0	-0.6	11.0	-0.6
150	166.00	±0.40	1/63	132.0	166.40	146	186.0	190.0	-2.0	10.0	13.0	-0.8	13.0	-0.8

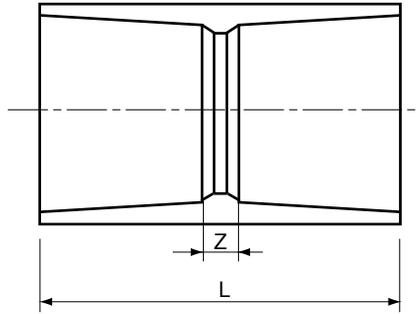
Note 1. The tolerance for ℓ is +4 and -0.5 mm.

2. There is no limit to the tolerance for the plus side of D, DT, t, t1, and t2.

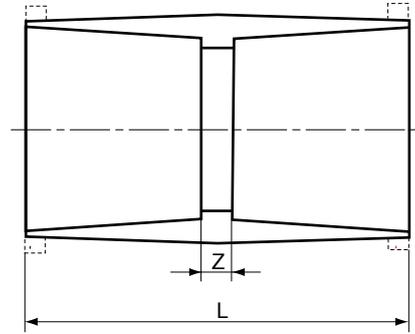
3. The shape represented by the dotted line is also available.

Item Rigid polyvinyl chloride water pipes and fittings ESLON TS joint for waterway Common dimensions of socket (A type)	Drawing No. W-TS-001
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway
Socket
(S)**



Nominal diameter 13~50mm



Nominal diameter 65~150mm

Unit : mm

Nominal diameter	L	Z (Reference)	Standard	Part No.
13	57	5	JIS K 6743	TSS13
16	67	7	JIS K 6743	TSS16
20	77	7	JIS K 6743	TSS20
25	87	7	JIS K 6743	TSS25
30	95	7	JIS K 6743	TSS30
40	117	7	JIS K 6743	TSS40
50	133	7	JIS K 6743	TSS50
65	145	23	JIS K 6743	TSS65
75	155	27	JIS K 6743	TSS75
100	200	32	JIS K 6743	TSS1H
125	240	24	JIS K 6743	TSS1Q
150	300	36	JIS K 6743	TSS1F

Note 1.The tolerance for L is ± 4 mm.

2.The shape represented by the dotted line is also available.

Item **ESLON TS joint for waterway
Socket
(S)**

Drafting

SEKISUI CHEMICAL CO.,LTD.

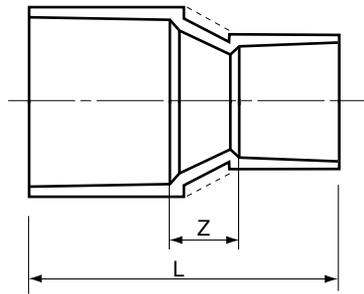
Drawing No.

W-TS-002

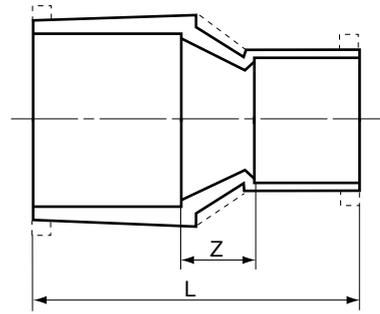
Date

2025.8.20

Item **ESLON TS joint for waterway**
Reducing socket
(R)



Nominal diameter 13~50mm



Nominal diameter 65~150mm

Unit : mm

Nominal diameter	L	Z (Reference)	Standard	Part No.
16× 13	61	5	JIS K 6743	TSS161
20× 13	68	7	JIS K 6743	TSS202
20× 16	71	6	JIS K 6743	TSS201
25× 13	86	20	JIS K 6743	TSS253
25× 16	85	15	JIS K 6743	TSS252
25× 20	84	9	JIS K 6743	TSS251
30× 13	95	25	JIS K 6743	TSS304
30× 20	93	14	JIS K 6743	TSS302
30× 25	93	9	JIS K 6743	TSS301
40× 20	113	23	JIS K 6743	TSS404
40× 25	114	19	JIS K 6743	TSS403
40× 30	114	15	JIS K 6743	TSS402
50× 20	116	18	JIS K 6743	TSS505
50× 25	140	37	JIS K 6743	TSS504
50× 30	136	29	JIS K 6743	TSS503
50× 40	136	18	JIS K 6743	TSS501
65× 50	149	25	JIS K 6743	TSS651
75× 50	165	38	JIS K 6743	TSS752
75× 65	159	34	JIS K 6743	TSS751
100× 75	190	42	JIS K 6743	TSS1H1
125× 100	229	41	JIS K 6743	TSS1Q1
150× 100	295	79	JIS K 6743	TSS1F2
150× 125	272	36	JIS K 6743	TSS1F1

Note 1.The tolerance for L is ± 4 mm.

2.The shape represented by the dotted line is also available.

Item **ESLON TS joint for waterway**
Reducing socket
(R)

Drafting

SEKISUI CHEMICAL CO.,LTD.

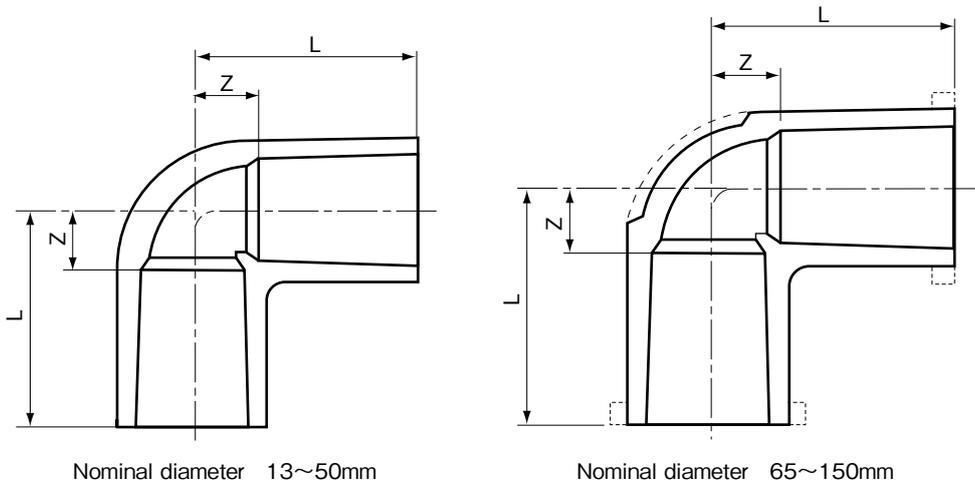
Drawing No.

W-TS-003

Date

2025.8.20

Item **ESLON TS joint for waterway
Elbow
(L)**



Unit : mm

Nominal diameter	L	Z (Reference)	Standard	Part No.
13	36	10	JIS K 6743	TSL13
16	43	13	JIS K 6743	TSL16
20	50	15	JIS K 6743	TSL20
25	58	18	JIS K 6743	TSL25
30	65	21	JIS K 6743	TSL30
40	82	27	JIS K 6743	TSL40
50	96	33	JIS K 6743	TSL50
65	110	49	JIS K 6743	TSL65
75	120	56	JIS K 6743	TSL75
100	155	71	JIS K 6743	TSL1H
125	187	83	JIS K 6743	TSL1Q
150	230	98	JIS K 6743	TSL1F

Note 1.The tolerance for L is +5 and -1 mm.

2.The shape represented by the dotted line is also available.

Item **ESLON TS joint for waterway
Elbow
(L)**

Drafting

SEKISUI CHEMICAL CO.,LTD.

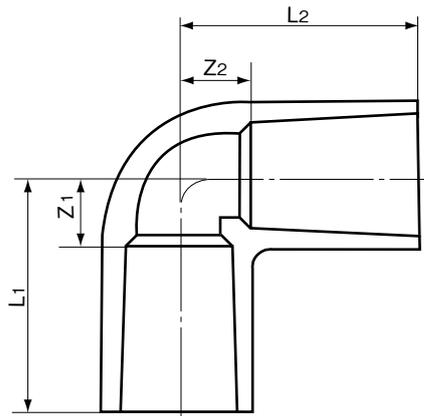
Drawing No.

W-TS-004

Date

2025.8.20

Item **ESLON TS joint for waterway**
Reducing elbow
(RL)



Unit : mm

Nominal diameter	L1	L2	Z1	Z2	Standard	Part No.
20×13	46	40	11	14	Manufacturer's standard	TSL202
25×13	51	43	11	17	Manufacturer's standard	TSL253
25×20	55	53	15	18	Manufacturer's standard	TSL251

Note 1. The tolerance for L1 and L2 is +5 and -1 mm.

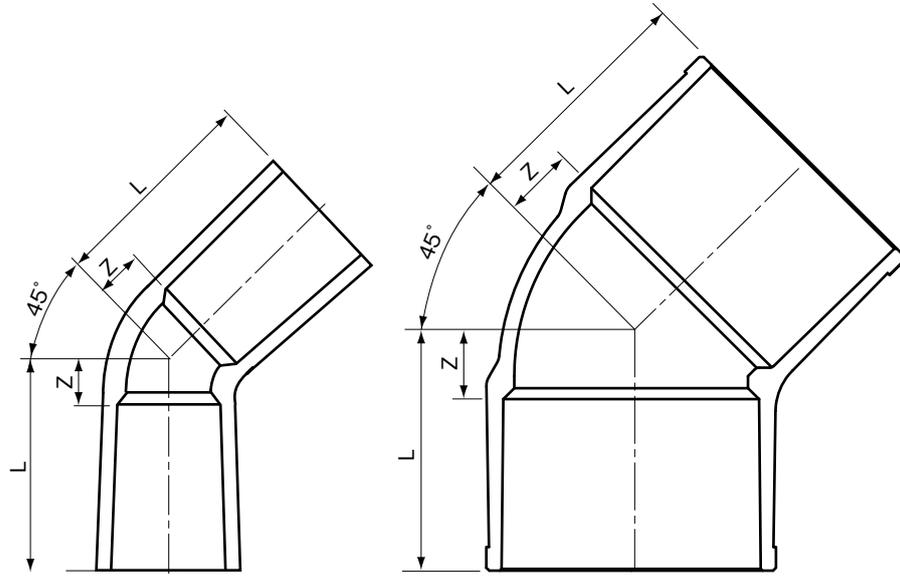
Item **ESLON TS joint for waterway**
Reducing elbow
(RL)

Drawing No.
W-TS-005

Drafting
SEKISUI CHEMICAL CO.,LTD.

Date
2025.8.20

Item **ESLON TS joint for waterway**
45°elbow
(45L)



Nominal diameter 13~50mm

Nominal diameter 65~100mm

単位：mm

Nominal diameter	L	Z(Reference)	Standard	Part No.
13	33	7	JIS K 6743	TS4L13
20	44	9	JIS K 6743	TS4L20
25	51	11	JIS K 6743	TS4L25
30	56	12	JIS K 6743	TS4L30
40	69	14	JIS K 6743	TS4L40
50	81	18	JIS K 6743	TS4L50
65	94	33	Manufacturer's standard	TS4L65
75	98	34	JIS K 6743	TS4L75
100	123	39	JIS K 6743	TS4L1H
125	149	44	Manufacturer's standard	TS4L1Q
150	184	51	Manufacturer's standard	TS4L1F

Note 1.The tolerance for L is +5 and -1 mm.

2.The shape represented by the dotted line is also available.

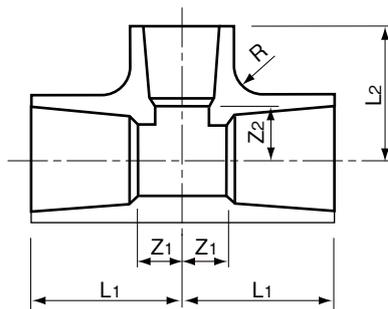
Item **ESLON TS joint for waterway**
45°elbow
(45L)

Drawing No.
W-TS-006

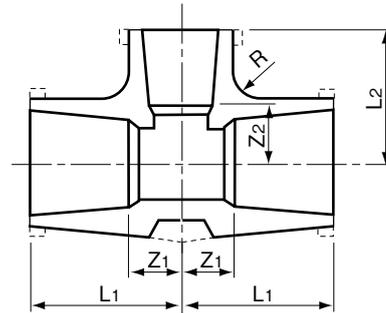
Drafting
SEKISUI CHEMICAL CO.,LTD.

Date
2025.8.20

Item **ESLON TS joint for waterway
Tee/Reducing tee
(T)**



Nominal diameter 13~50mm



Nominal diameter 65~150mm

Unit : mm

Nominal diameter	L1	L2	Z1	Z2	Standard	Part No.
13	36	36	10	10	JIS K 6743	TST13
16×13	41	38	11	12	JIS K 6743	TST161
16	43	43	13	13	JIS K 6743	TST16
20×13	46	40	11	14	JIS K 6743	TST202
20×16	48	45	13	15	JIS K 6743	TST201
20	50	50	15	15	JIS K 6743	TST20
25×13	51	43	12	18	JIS K 6743	TST253
25×16	53	48	13	16	JIS K 6743	TST252
25×20	55	53	15	18	JIS K 6743	TST251
25	58	58	18	18	JIS K 6743	TST25
30×13	55	46	11	21.5	JIS K 6743	TST304
30×16	57	51	13	21.5	JIS K 6743	TST303
30×20	59	56	15	20	JIS K 6743	TST302
30×25	62	61	18	21	JIS K 6743	TST301
30	65	65	21	21	JIS K 6743	TST30
40×13	66	52	11	26	JIS K 6743	TST406
40×16	68	57	13	25	JIS K 6743	TST405
40×20	70	62	17	27	JIS K 6743	TST404
40×25	73	67	18	27	JIS K 6743	TST403
40×30	76	71	21	27	JIS K 6743	TST402
40	82	82	27	27	JIS K 6743	TST40

Nominal diameter	L1	L2	Z1	Z2	Standard	Part No.
50×13	74	58	11	32	JIS K 6743	TST507
50×16	76	63	13	33	JIS K 6743	TST506
50×20	78	68	15	33	JIS K 6743	TST505
50×25	81	73	18	33	JIS K 6743	TST504
50×30	84	77	21	33	JIS K 6743	TST503
50×40	90	88	27	33	JIS K 6743	TST501
50	96	96	33	33	JIS K 6743	TST50
65×50	101	104	40	41	JIS K 6743	TST651
65	110	110	49	49	JIS K 6743	TST65
75×25	93	88	29	48	JIS K 6743	TST756
75×40	100	102	36	47	JIS K 6743	TST753
75×50	105	110	41	47	JIS K 6743	TST752
75×65	113	117	49	56	JIS K 6743	TST751
75	120	120	56	56	JIS K 6743	TST75
100×50	125	122	41	59	JIS K 6743	TST1H3
100×75	140	132	56	68	JIS K 6743	TST1H1
100	152	152	68	68	JIS K 6743	TST1H
125×100	173	167	69	83	JIS K 6743	TST1Q1
125	187	187	83	83	JIS K 6743	TST1Q
150×75	195	158	63	94	JIS K 6743	TST1F3
150×100	208	182	76	98	JIS K 6743	TST1F2
150×125	217	201	85	97	JIS K 6743	TST1F1
150	230	230	98	98	JIS K 6743	TST1F

Note 1. The tolerance for L1 and L2 is +5 and -1 mm.

2. Z1 and Z2 is for reference.

3. R is more than 10 mm.

4. The shape represented by the dotted line is also available.

Item **ESLON TS joint for waterway
Tee/Reducing tee
(T)**

Drawing No.

W-TS-007

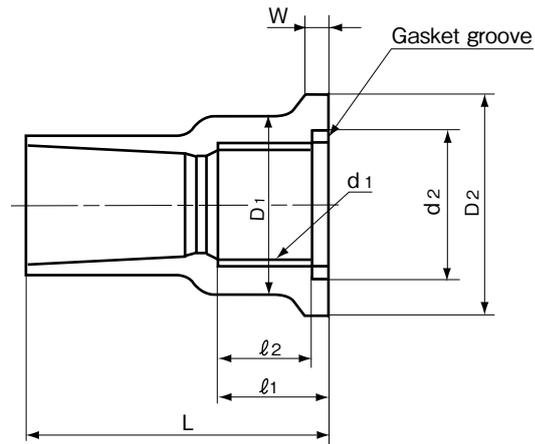
Drafting

SEKISUI CHEMICAL CO.,LTD.

Date

2025.8.20

Item **ESLON TS joint for waterway
Faucet socket (without insert)
(SS)**



Unit : mm

Nominal diameter	L	W	D ₁	D ₂	Threaded section			l ₁	l ₂	d ₂	Standard	Part No.
					Nominal	Root diameter d ₁	Number of screw threads (per 25.4 mm)					
13	47	4	28	34	Rp1/2	20.955	14	17	14	26	Manufacturer's standard	TSWS13
16	52	4	29	34	Rp1/2	20.955	14	17	14	26	Manufacturer's standard	TSWS16
20	59	4	35	42	Rp3/4	26.441	14	19	16	32	Manufacturer's standard	TSWS20
25	68	5	43	52	Rp 1	33.249	11	21	18	40	Manufacturer's standard	TSWS25

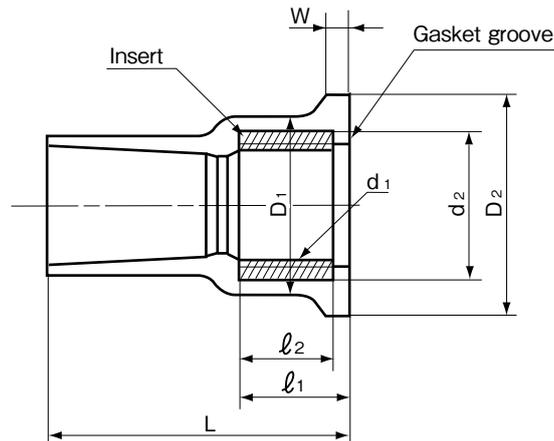
Note 1.The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.

2.The tolerance for L is +5 and -1 mm.

3.The tolerance for l₂ is ±1mm.

Item ESLON TS joint for waterway Faucet socket (without insert) (SS)	Drawing No. W-TS-008
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway
Insert faucet socket
(ISS)**



Unit : mm

Nominal diameter	L	W	D ₁	D ₂	Threaded section			l ₁	l ₂	d ₂	Standard	Part No.
					Nominal	Root diameter d ₁	Number of screw threads (per 25.4 mm)					
13	47	4	30	34	Rp1/2	20.955	14	17	14	26	JIS K 6743	IWS13M
16×13	52	4	30	34	Rp1/2	20.955	14	17	14	26	JIS K 6743	IWS16M
20×13	57	4	30	34	Rp1/2	20.955	14	17	14	26	JIS K 6743	IWS202M
20	59	4	37	42	Rp3/4	26.441	14	19	16	32	JIS K 6743	IWS20M
25	68	5	46	52	Rp 1	33.249	11	21	18	40	JIS K 6743	IWS25M

Note 1.The material of the insert in the threaded section is JIS H 5121 CAC406C.

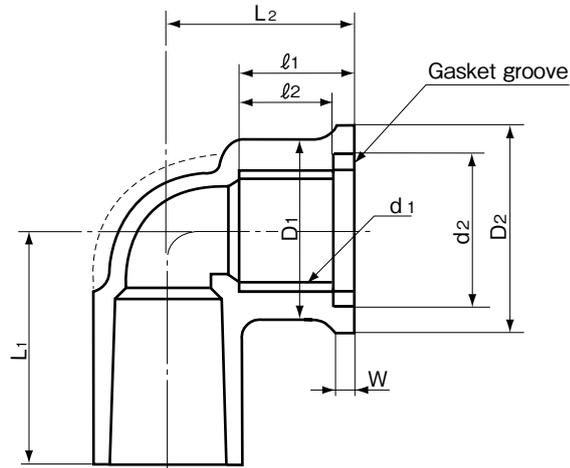
2.The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.

3.The tolerance for L is +5 and -1 mm.

4.The tolerance for l₂ is ±1mm.

Item ESLON TS joint for waterway Insert faucet socket (ISS)	Drawing No. W-TS-009
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway
Faucet elbow (without insert)
(SL)**



Unit : mm

Nominal diameter	L_1	L_2	W	D_1	D_2	Threaded section			l_1	l_2	d_2	Standard	Part No.
						Nominal	Root diameter d_1	Number of screw threads (per 25.4 mm)					
13	38	29	4	28	34	Rp1/2	20.955	14	17	14	26	Manufacturer's standard	TSWL13
16	43	32	4	29	34	Rp1/2	20.955	14	17	14	26	Manufacturer's standard	TSWL16
20	51	36	4	35	42	Rp3/4	26.441	14	19	16	32	Manufacturer's standard	TSWL20
25	59	40	5	43	52	Rp 1	33.249	11	21	18	40	Manufacturer's standard	TSWL25

Note 1. The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.

2. The tolerance for L_1 is +5 and -1 mm.

3. The tolerance for L_2 is +5 and -2 mm.

4. The tolerance for l_2 is ± 1 mm.

5. The shape represented by the dotted line is also available.

Item **ESLON TS joint for waterway
Faucet elbow (without insert)
(SL)**

Drawing No.

W-TS-010

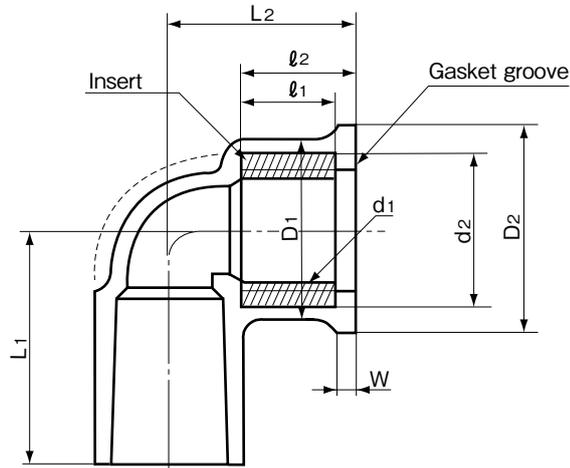
Drafting

SEKISUI CHEMICAL CO.,LTD.

Date

2025.8.20

Item **ESLON TS joint for waterway
Insert faucet elbow (S type)
(ISL)**



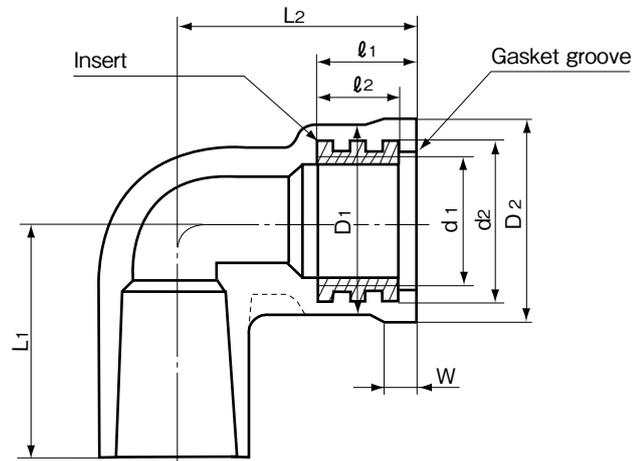
Unit : mm

Nominal diameter	L ₁	L ₂	W	D ₁	D ₂	Threaded section			l ₁	l ₂	d ₂	Standard	Part No.
						Nominal	Root diameter d ₁	Number of screw threads (per 25.4 mm)					
13	38	29	4	30	34	Rp1/2	20.955	14	17	14	26	JIS K 6743	IWL13M
16×13	43	32	4	30	34	Rp1/2	20.955	14	17	14	26	JIS K 6743	IWL16M
20×13	47	33	4	30	34	Rp1/2	20.955	14	17	14	26	JIS K 6743	IWL202M
20	51	36	4	37	42	Rp3/4	26.441	14	19	16	32	JIS K 6743	IWL20M
25	59	40	5	46	52	Rp 1	33.249	11	21	18	40	JIS K 6743	IWL25M

- Note 1.The material of the insert in the threaded section is JIS H 5121 CAC406C.
 2.The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.
 3.The tolerance for L₁ is +5 and -1mm.
 4.The tolerance for L₂ is +5 and -2mm.
 5.The tolerance for l₂ is ±1mm.
 6.The shape represented by the dotted line is also available.

Item ESLON TS joint for waterway Insert faucet elbow (S type) (ISL)	Drawing No. W-TS-011
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway
Insert faucet elbow (L type)
(LL)**



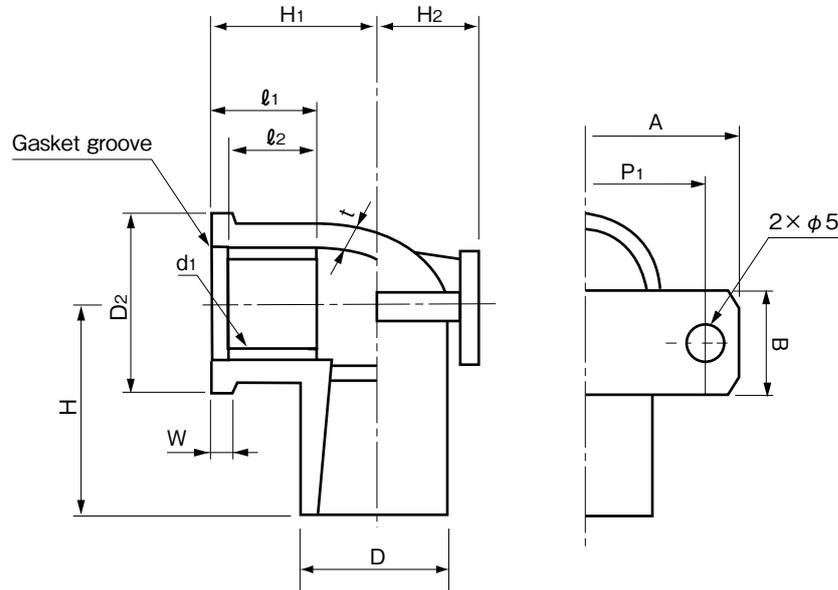
Unit : mm

Nominal diameter	L ₁	L ₂	W	D ₁	D ₂	Threaded section			l ₁	l ₂	d ₂	Standard	Part No.
						Nominal	Root diameter d ₁	Number of screw threads (per 25.4 mm)					
13	38	45	4	30	34	RP1/2	20.955	14	17	14	26	JIS K 6743	IWL13LM
16×13	43	48	4	30	34	RP1/2	20.955	14	17	14	26	JIS K 6743	IWL16LM
20×13	47	50	4	30	34	RP1/2	20.955	14	17	14	26	JIS K 6743	IWL20LM

- Note 1. The material of the insert in the threaded section is JIS H 5121 CAC406C.
 2. The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.
 3. The tolerance for L₁ is +5 and -1mm.
 4. The tolerance for L₂ is +5 and -2mm.
 5. The tolerance for l₂ is ±1mm.
 6. The shape represented by the dotted line is also available.

Item ESLON TS joint for waterway Insert faucet elbow (L type) (LL)	Drawing No. W-TS-012
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway
Elbow with faucet seat (without insert)
(ZL)**



Unit : mm

Nominal diameter	D	t	H	H ₁	H ₂	W	D ₂	Threaded section			l ₁	l ₂	P ₁	A	B	Standard	Part No.
								Nominal	Root diameter d ₁	Number of screw threads (per 25.4 mm)							
13	24	3	38	29	16.8	4	34	Rp1/2	20.955	14	17	14	44	58	20	Manufacturer's standard	TSZWL13

Note 1. The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.

2. The tolerance for L₁ is +5 and -1mm.
3. The tolerance for L₂ is +5 and -2mm.
4. The tolerance for l₂ is ±1mm.

Item **ESLON TS joint for waterway
Elbow with faucet seat (without insert)
(ZL)**

Drawing No.

W-TS-013

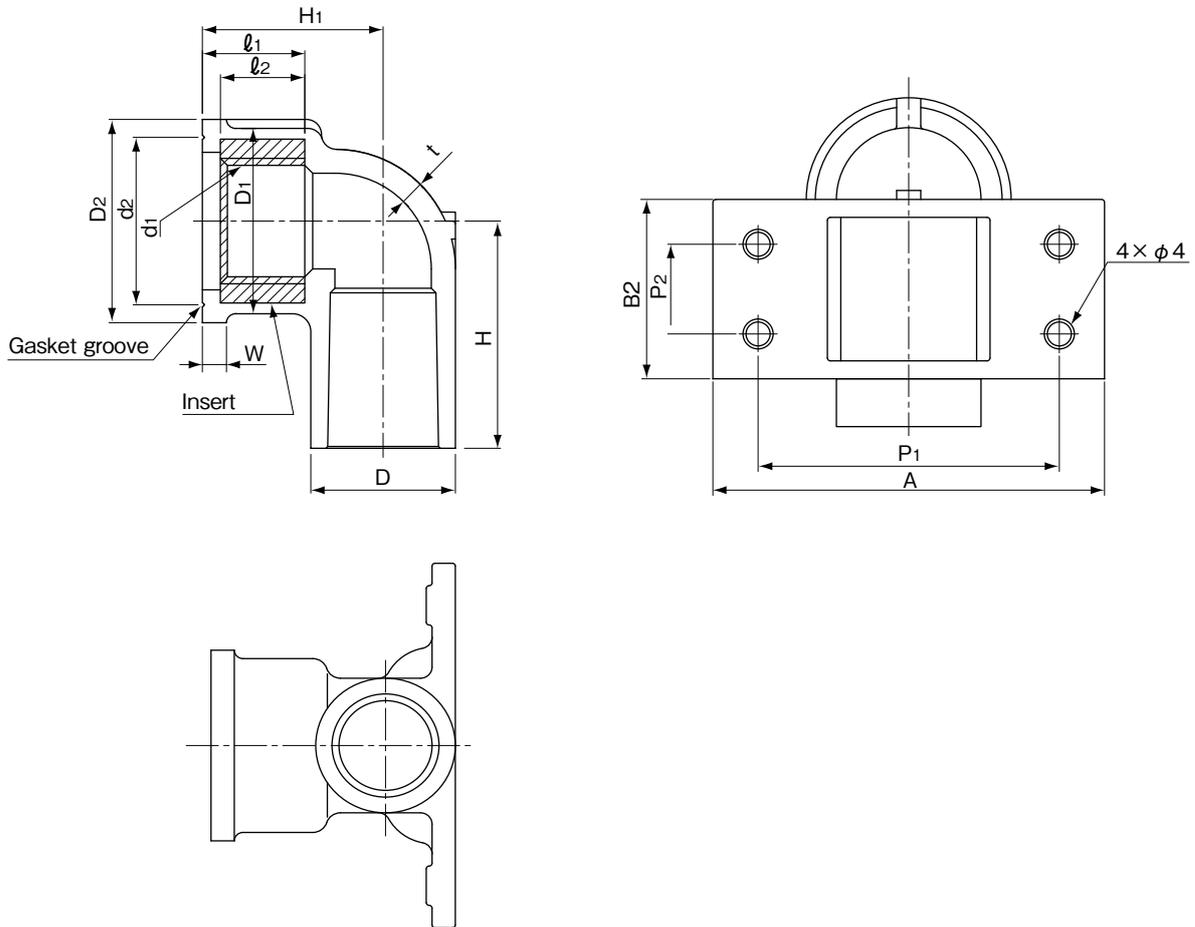
Drafting

Date

SEKISUI CHEMICAL CO.,LTD.

2025.8.20

Item **ESLON TS joint for waterway
Faucet elbow with insert seat
(IZL)**



Unit : mm

Nominal diameter	D	t	H	H ₁	W	D ₁	D ₂	Threaded section			l ₁	l ₂	d ₂	P ₁	P ₂	A	B	Standard	Part No.
								Nominal	Root diameter d ₁	Number of screw threads (per 25.4 mm)									
13	24	3.0	38	29	4	30	34	Rp1/2	20.955	14	17	14	26	50	15	65	30	Manufacturer's standard	IZL13M
20×13	33	3.5	47	33	4	30	34	Rp1/2	20.955	14	17	14	26	50	15	65	30	Manufacturer's standard	IZL22M

Note 1. The material of the insert in the threaded section is JIS H 5121 CAC406C.

2. The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.

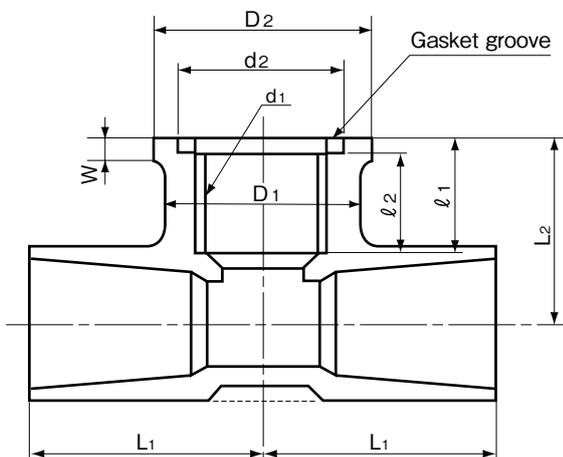
3. The tolerance for H is +5 and -1mm.

4. The tolerance for l₂ is ±1mm.

5. The tolerance for H₁ is +5 and -2mm.

Item ESLON TS joint for waterway Faucet elbow with insert seat (IZL)	Drawing No. W-TS-014
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway
Faucet tee (without insert)
(ST)**



Unit : mm

Nominal diameter	L_1	D_1	Threaded section			ℓ_1	ℓ_2	d_2	D_2	W	L_2	Standard	Part No.
			Nominal	Root diameter d_1	Number of screw threads (per 25.4 mm)								
13×13	38	28	Rp1/2	20.955	14	17	14	26	34	4	29	Manufacturer's standard	TSWT13
16×13	43	28	Rp1/2	20.955	14	17	14	26	34	4	32	Manufacturer's standard	TSWT161
20×13	47	29	Rp1/2	20.955	14	17	14	26	34	4	34	Manufacturer's standard	TSWT202
20×20	51	35	Rp3/4	26.441	14	19	16	32	42	4	36	Manufacturer's standard	TSWT20
25×25	59	43	Rp 1	33.249	11	21	18	40	52	5	42	Manufacturer's standard	TSWT25

Note 1. The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.

2. The tolerance for L_1 is +5 and -1mm.

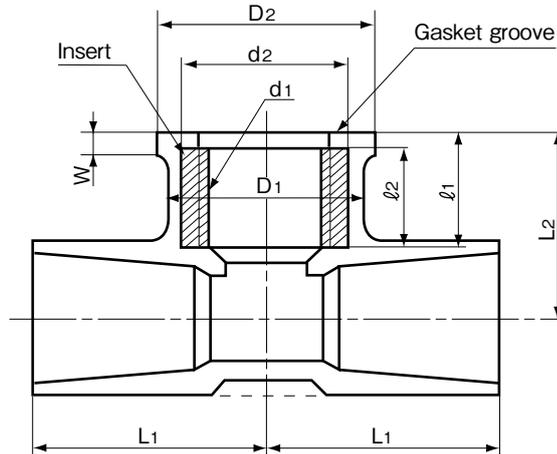
3. The tolerance for L_2 is +5 and -2mm.

4. The tolerance for ℓ_2 is ± 1 mm.

5. The shape represented by the dotted line is also available.

Item ESLON TS joint for waterway Faucet tee (without insert) (ST)	Drawing No. W-TS-015
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway**
Insert faucet tee
(IST)



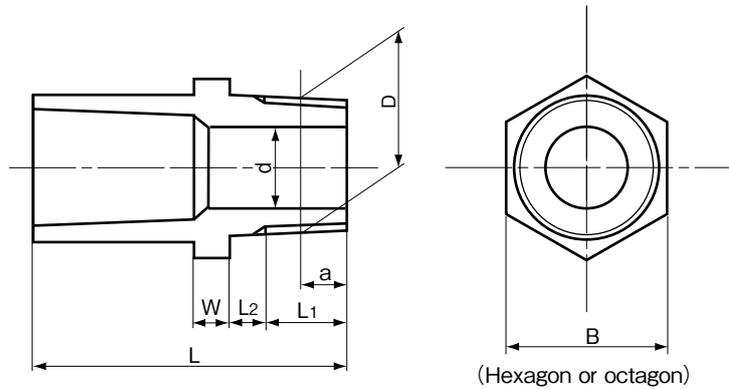
Unit : mm

Nominal diameter	L ₁	D ₁	Threaded section			l ₁	l ₂	d ₂	D ₂	W	L ₂	Standard	Part No.
			Nominal	Root diameter d ₁	Number of screw threads (per 25.4 mm)								
13×13	38	30	Rp1/2	20.955	14	17	14	26	34	4	29	JIS K 6743	IWT13M
16×13	43	30	Rp1/2	20.955	14	17	14	26	34	4	32	JIS K 6743	IWT161M
20×13	47	30	Rp1/2	20.955	14	17	14	26	34	4	34	JIS K 6743	IWT202M
20×20	51	37	Rp3/4	26.441	14	19	16	32	42	4	36	JIS K 6743	IWT20M
25×13	52	30	Rp1/2	20.955	14	17	14	26	34	4	38	JIS K 6743	IWT253M
25×20	56	37	Rp3/4	26.441	14	19	16	32	42	4	40	JIS K 6743	IWT252M
25×25	59	46	Rp 1	33.249	11	21	18	40	52	5	42	JIS K 6743	IWT25M

- Note 1.The material of the insert in the threaded section is JIS H 5121 CAC406C.
2.The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.
3.The tolerance for L₁ is +5 and -1mm.
4.The tolerance for L₂ is +5 and -2mm.
5.The tolerance for l₂ is ±1mm.
6.The shape represented by the dotted line is also available.

Item ESLON TS joint for waterway Insert faucet tee (IST)	Drawing No. W-TS-016
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway
Valve socket (without insert)
(VS)**



Unit : mm

Nominal diameter	d	Threaded section						L 2 (Max.)	W (Min.)	L	B	Standard	Part No.
		Nominal	Standard outer dia. D	Number of screw threads (per 25.4 mm)	Standard dia. position a	Tolerance for a	Effective thread length L1						
13	13	R 1/2	20.955	14	8.16	±1.81	15	3.5	6	50	24	JIS K 6743	TSVS13N
16	13	R 1/2	20.955	14	8.16	±1.81	15	3.5	6	54	29	JIS K 6743	TSVS16N
20	18	R 3/4	26.441	14	9.53	±1.81	17	3.5	8	64	33	JIS K 6743	TSVS20N
25	23	R1	33.249	11	10.39	±2.31	19	4.0	8	71	40	JIS K 6743	TSVS25
30	31	R1 1/4	41.910	11	12.70	±2.31	22	4.0	10	80	46	JIS K 6743	TSVS30
40	37	R1 1/2	47.803	11	12.70	±2.31	22	5.0	10	92	57	JIS K 6743	TSVS40
50	48	R2	59.614	11	15.88	±2.31	26	5.0	12	106	70	JIS K 6743	TSVS50
65	63	R2 1/2	75.184	11	17.50	±6.90	30	6.0	14	119	91	Manufacturer's standard	TSVS65
75	74	R3	87.884	11	20.60	±6.90	34	6.0	16	128	108	Manufacturer's standard	TSVS75
100	96	R4	113.030	11	25.40	±6.90	40	7.0	18	157	135	Manufacturer's standard	TSVS1H

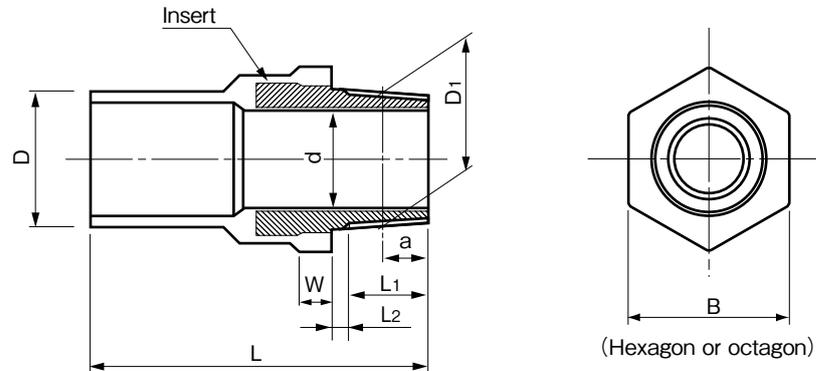
Note 1. The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.

2. The tolerance for L is +5 and -2mm.

3. The nut section is octagonal for 30 mm or more.

Item ESLON TS joint for waterway Valve socket (without insert) (VS)	Drawing No. W-TS-017
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway
Insert valve socket
(IVS)**



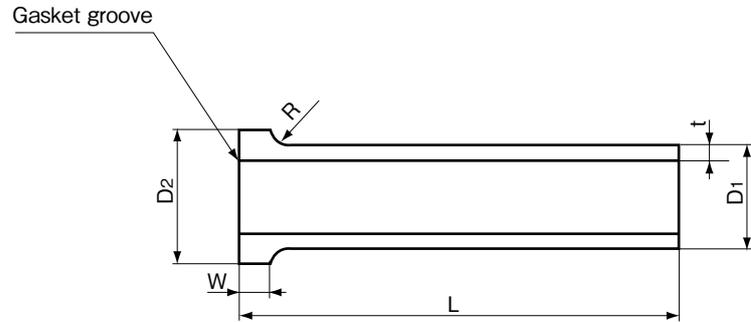
Unit : mm

Nominal diameter	D	d	Threaded section						W (Min.)	L2 (Max.)	L	B (Min.)	Standard	Part No.
			Nominal	Standard outer dia. D	Number of screw threads (per 25.4 mm)	Standard dia. position a	Tolerance for a	Effective thread length L1						
13	24.0	13	R 1/2	20.955	14	8.20	±1.80	13.16	6	4	60	27	JIS K 6743	IVS13M
16	29.0	13	R 1/2	20.955	14	8.20	±1.80	13.16	6	4	65	32	JIS K 6743	IVS16M
20	33.0	18	R 3/4	26.441	14	9.50	±1.80	14.53	8	5	75	35	JIS K 6743	IVS20M
25	40.0	23	R 1	33.249	11	10.40	±2.30	16.79	8	5	85	47	JIS K 6743	IVS25M
30	46.0	31	R 1 1/4	41.910	11	12.70	±2.31	19.10	10	5	95	55	JIS K 6743	IVS30M
40	57.0	37	R 1 1/2	47.803	11	12.70	±2.31	19.10	10	5	110	65	JIS K 6743	IVS40M
50	70.0	48	R 2	59.614	11	15.88	±2.31	23.38	12	5	125	75	JIS K 6743	IVS50M

- Note 1. The material of the insert in the threaded section is JIS H 3250 free-cutting brass.
 2. The threaded section conforms to the JIS B 0203 (pipe taper thread) taper thread.
 3. The tolerance for L is +5 and -2 mm.
 4. The nut section is octagonal for 30 mm or more.

Item ESLON TS joint for waterway Insert valve socket (IVS)	Drawing No. W-TS-018
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway
Union socket
(US)**



Unit : mm

Nominal diameter	D ₁	t	D ₂	W	L	Standard	Part No.
13	18.0 ±0.20	2.5 ±0.2	23.0 ±0.3	5	80	JIS K 6743	TSUS13N
16	22.0 ±0.20	3.0 ±0.3	27.5 ±0.4	5	85	JIS K 6743	TSUS16N
20	26.0 ±0.20	3.0 ±0.3	29.5 ±0.4	6	90	JIS K 6743	TSUS20N
25	32.0 ±0.20	3.5 ±0.3	36.5 ±0.5	7	100	JIS K 6743	TSUS25
30	38.0 ±0.30	3.5 ±0.3	42.0 ±0.6	8	110	JIS K 6743	TSUS30
40	48.0 ±0.30	4.0 ±0.3	53.0 ±0.7	8	120	JIS K 6743	TSUS40
50	60.0 ±0.40	4.5 ±0.4	71.0 ±0.8	9	130	JIS K 6743	TSUS50

Note 1.The tolerance for L is +5 and -2 mm.
2.R is 1mm.

Item **ESLON TS joint for waterway
Union socket
(US)**

Drawing No.

W-TS-019

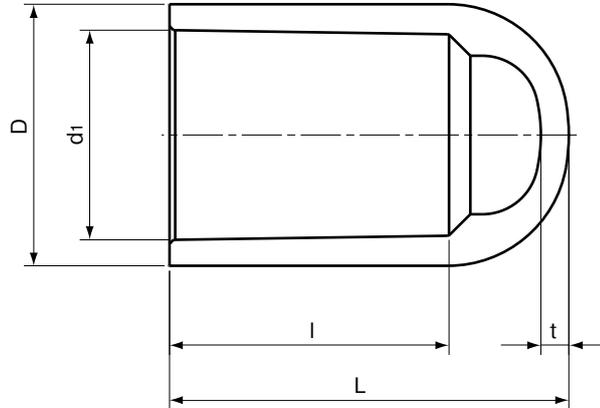
Drafting

SEKISUI CHEMICAL CO.,LTD.

Date

2025.8.20

Item **ESLON TS joint for waterway**
Cap
(C)



Unit : mm

Nominal diameter	D	d1	L	l	t	Standard	Part No.
13	24.0	18.40	36.5	26.0	3.0	JIS K 6743	TSC13X
16	29.0	22.40	43.0	30.0	3.5	JIS K 6743	TSC16X
20	33.0	26.45	50.0	35.0		JIS K 6743	TSC20X
25	40.0	32.55	58.5	40.0	4.0	JIS K 6743	TSC25X
30	46.0	38.60	65.5	44.0		JIS K 6743	TSC30X
40	57.0	48.70	82.0	55.0	4.5	JIS K 6743	TSC40X
50	70.0	60.80	96.5	63.0	5.0	JIS K 6743	TSC50X
75	102.0	89.60	105.0	64.0	8.0	JIS K 6743	TSC75
100	130.0	114.70	138.0	84.0	10.0	JIS K 6743	TSC1H
150	186.0	166.00	205.0	132.0	13.0	JIS K 6743	TSC1F

Note 1. There is no limit to the tolerance for the plus side of D and t.

2. The tolerance for L is +5 and 0 mm.

3. The tolerance for l is +4 and -0.5 mm.

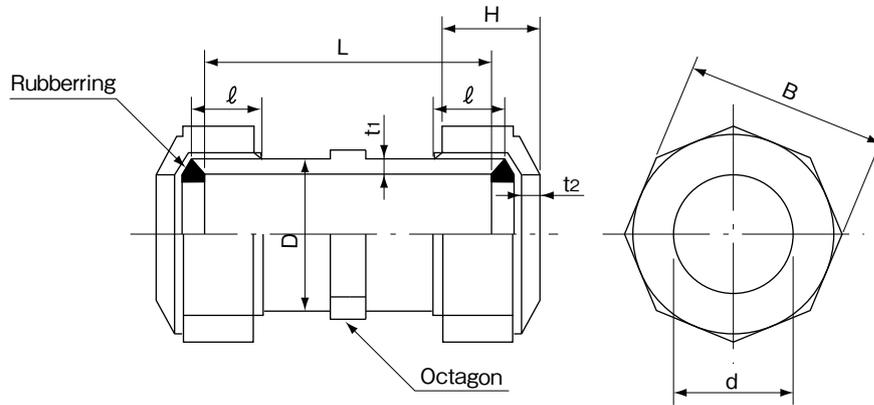
Item **ESLON TS joint for waterway**
Cap
(C)

Drawing No.
W-TS-020

Drafting
SEKISUI CHEMICAL CO.,LTD.

Date
2025.8.20

Item **ESLON TS joint for waterway
Expansion joint (Simple joint)
(SJ)**



Unit : mm

Nominal diameter	D	d	L	H	ℓ	t ₁	t ₂	B	Standard	Part No.
13	27.0	18.8±0.3	68±5	27	20	3.0±0.3	4	38	JIS K 6743	SMJ13
20	35.0	26.8±0.3	78±5	28	20	3.5±0.3	4.5	50	JIS K 6743	SMJ20
25	42.0	33.0±0.4	88±5	29	20	4.0±0.4	6	56	JIS K 6743	SMJ25
30	49.0	39.0±0.4	97±5	34	25	4.0±0.4	6	62	JIS K 6743	SMJ30
40	60.0	49.2±0.4	106±5	35	25	4.5±0.4	7	80	JIS K 6743	SMJ40
50	73.0	61.5±0.5	116±5	36	25	5.0±0.5	7.5	92	JIS K 6743	SMJ50

Note 1.The thread shape shall be in conformity with JIS B 0205-2 (Fine pitch thread).

2.There is no specification for the outer dimensions of the threaded section.

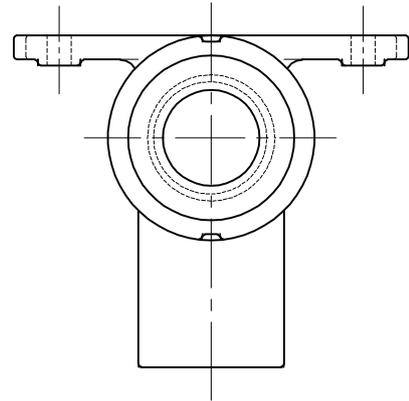
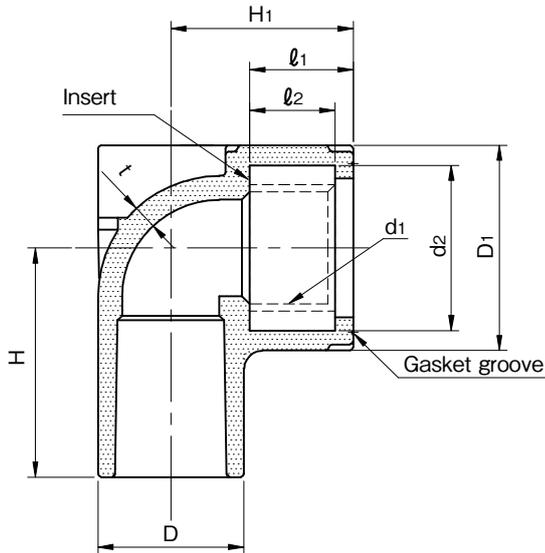
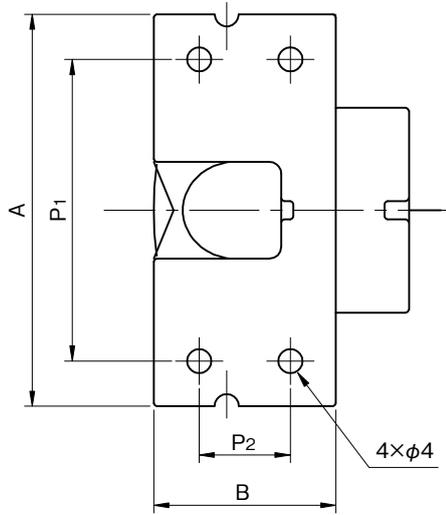
3.The tolerance for D is ±2 mm.

4.The rubber ring material conforms to JIS K 6353-1A.

5.There is no specification for the shape and dimensions of the rubber ring.

Item ESLON TS joint for waterway Expansion joint (Simple joint) (SJ)	Drawing No. W-TS-021
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway
Faucet elbow with insert top seat
(TZL)**



Unit : mm

Nominal diameter	D	t	H	H ₁	D ₁	Threaded section			l ₁	l ₂	d ₂	P ₁	P ₂	A	B	Part No.
						Nominal	Root diameter d ₁	Number of screw threads (per 25.4 mm)								
13	24	4	38	30	34	Rp1/2	20.955	14	17	14	26	50	15	65	30	ITZL13M
20×13	33	4	49	33	34	Rp1/2	20.955	14	17	14	26	50	16.5	65	33	ITZL20M

Note 1. The material of the insert in the threaded section is JIS H 5121 CAC406C or JIS H 3250 free-cutting brass.

2. The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.

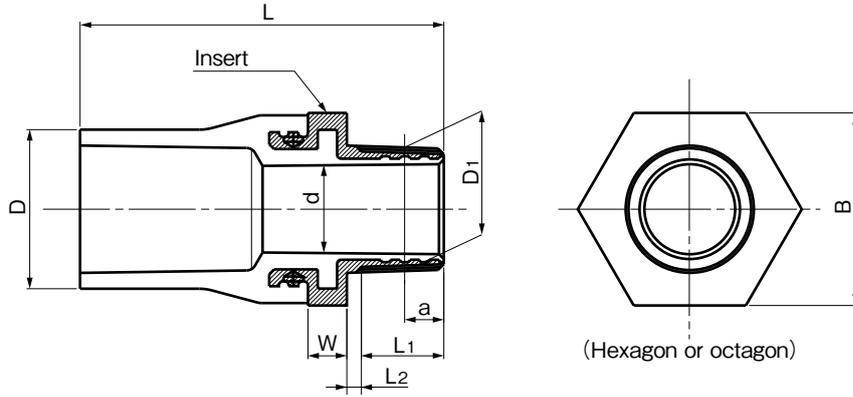
3. The tolerance for H is +5 and -1mm.

4. The tolerance for l₂ is ±1mm.

5. The tolerance for H₂ is +5 and -2mm.

Item ESLON TS joint for waterway Faucet elbow with insert top seat (TZL)	Drawing No. W-TS-034
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON TS joint for waterway
Incert Valve Socke II
(IVS II)**



Unit : mm

Nominal diameter	D	d	Threaded section						W (Min.)	L ₂ (Max.)	L	B (Min.)	Standard	Part No.
			Nominal	Standard outer dia. D	Number of screw threads (per 25.4 mm)	Standard dia. position a	Tolerance for a	Effective thread length L ₁						
13	24.0	13.0	R 1/2	20.955	14	8.16	±1.81	13.16	6	4	60	27	JIS K 6743	TKVS13
16	29.0	13.0	R 1/2	20.955	14	8.16	±1.81	13.16	6	4	66	32	JIS K 6743	TKVS16
20	33.0	18.0	R 3/4	26.441	14	9.53	±1.81	14.53	8	5	75	35	JIS K 6743	TKVS20
25	40.0	23.0	R 1	33.249	11	10.39	±2.31	16.79	8	5	85	47	JIS K 6743	TKVS25
30	46.0	31.0	R 1 1/4	41.910	11	12.70	±2.31	19.10	10	5	95	55	JIS K 6743	TKVS30
40	57.0	37.0	R 1 1/2	47.803	11	12.70	±2.31	19.10	10	5	110	65	JIS K 6743	TKVS40
50	70.0	48.0	R 2	59.614	11	15.88	±2.31	23.38	12	5	125	75	JIS K 6743	TKVS50

Note 1.The material of the insert in the threaded section is JIS H 5121 CAC406C.

2.The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.

3.The tolerance for L is +5 and -2mm.

Item ESLON TS joint for waterway Incert Valve Socke II (IVS II)	Drawing No. W-TS-035
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20