

SEKISUI

■ Rigid polyvinyl chloride water pipes and fittings

ESLON HI-TS joint

Approved Drawings

SEKISUI CHEMICAL CO.,LTD.

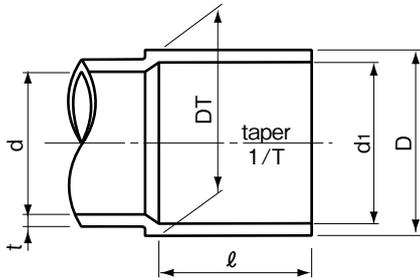
ESLON HI-TS joint Approved Drawings

Table of Contents

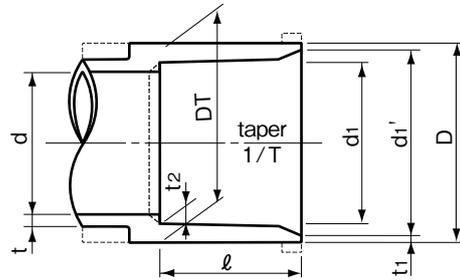
■ ESLON HI-TS joint

Item	Abbreviation	Page
Common dimensions of socket (A type)	–	3
Socket	HI-S·G	4
Reducing socket	HI-R·G	5
Elbow	HI-L·G	6
Reducing elbow	HI-RL·G	7
45°elbow	HI-45L·G	8
Tee/reducing tee	HI-T·G	9
Faucet socket (without insert)	HI-SS·G	10
Insert faucet socket	HI-ISS·G	11
Faucet elbow (without insert)	HI-SL·G	12
Insert faucet elbow (S type)	HI-ISL·G	13
Insert faucet elbow (L type)	HI-LL·G	14
Elbow with faucet seat (without insert)	HI-ZL·G	15
Faucet elbow with insert seat	HI-IZL·G	16
Faucet tee (without insert)	HI-ST·G	17
Insert faucet tee	HI-IST·G	18
Valve socket (without insert)	HI-VS·G	19
Insert valve socket I	HI-IVS I·G	20
Insert Female-Male Elbow	HI-IMOL·G	21
Union socket	HI-US·G	22
Cap	HI-C·G	23
Insert valve socket II	HI-IVS II·G	24
Faucet tee (without insert)	HI-TZL·G	25

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

Drawing No.
W-HITS-001

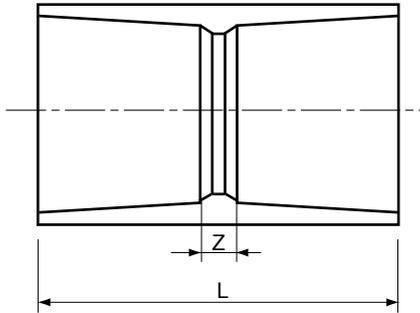
Drafting

SEKISUI CHEMICAL CO.,LTD.

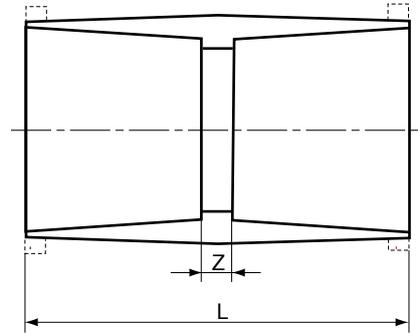
Date

2025.8.20

Item **ESLON HI-TS joint for waterway
Socket
(HI-S·G)**



Nominal diameter 13~50mm



Nominal diameter 65~150mm

Unit : mm

Nominal diameter	L	Z (Reference)	Standard	Part No.
13	57	5	JIS K 6743	HIS13
16	67	7	JIS K 6743	HIS16
20	77	7	JIS K 6743	HIS20
25	87	7	JIS K 6743	HIS25
30	95	7	JIS K 6743	HIS30
40	117	7	JIS K 6743	HIS40
50	133	7	JIS K 6743	HIS50
65	145	23	JIS K 6743	HIS65
75	155	27	JIS K 6743	HIS75
100	200	32	JIS K 6743	HIS1H
125	240	24	JIS K 6743	HIS1Q
150	300	36	JIS K 6743	HIS1F

Note 1.The tolerance for L is ± 4 mm.

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

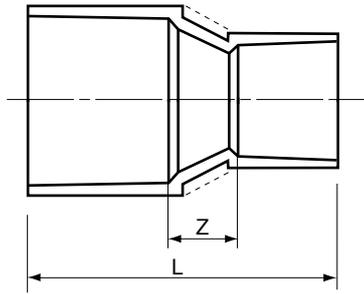
Item **ESLON HI-TS joint for waterway
Socket
(HI-S·G)**

Drawing No.
W-HITS-002

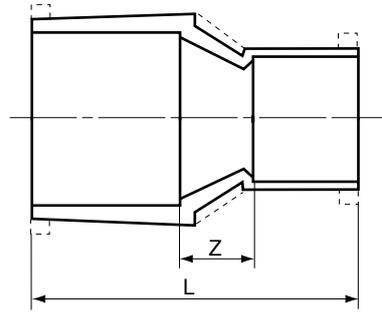
Drafting
SEKISUI CHEMICAL CO.,LTD.

Date
2025.8.20

Item **ESLON HI-TS joint for waterway**
Reducing socket
(HI-R·G)



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	HIS161
20× 13	68	7	JIS K 6743	HIS202
20× 16	71	6	JIS K 6743	HIS201
25× 13	86	20	JIS K 6743	HIS253
25× 16	85	15	JIS K 6743	HIS252
25× 20	84	9	JIS K 6743	HIS251
30× 13	95	25	JIS K 6743	HIS304
30× 20	93	14	JIS K 6743	HIS302
30× 25	93	9	JIS K 6743	HIS301
40× 20	113	23	JIS K 6743	HIS404
40× 25	114	19	JIS K 6743	HIS403
40× 30	114	15	JIS K 6743	HIS402
50× 20	116	18	JIS K 6743	HIS505
50× 25	140	37	JIS K 6743	HIS504
50× 30	136	29	JIS K 6743	HIS503
50× 40	136	18	JIS K 6743	HIS501
65× 50	149	25	JIS K 6743	HIS651
75× 50	165	38	JIS K 6743	HIS752
75× 65	159	34	JIS K 6743	HIS751
100× 75	190	42	JIS K 6743	HIS1H1
125× 100	229	41	JIS K 6743	HIS1Q1
150× 100	295	79	JIS K 6743	HIS1F2
150× 125	272	36	JIS K 6743	HIS1F1

Note 1.The tolerance for L is ± 4 mm.

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

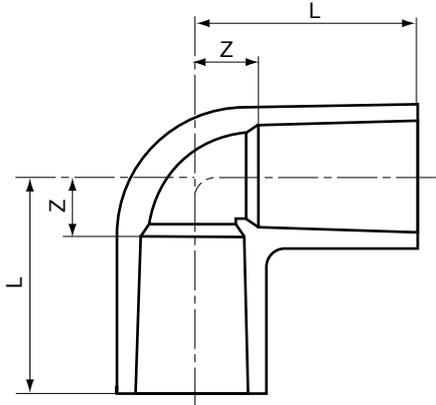
Item **ESLON HI-TS joint for waterway**
Reducing socket
(HI-R·G)

Drawing No.
W-HITS-003

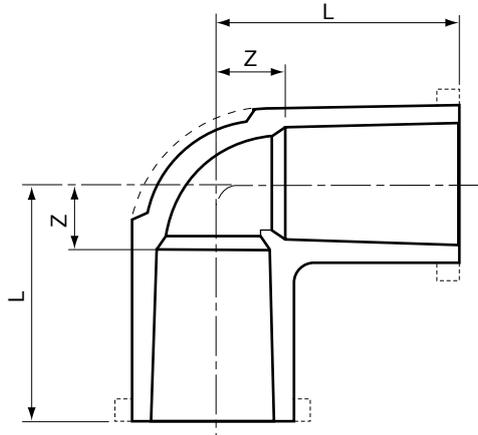
Drafting
SEKISUI CHEMICAL CO.,LTD.

Date
2025.8.20

Item **ESLON HI-TS joint for waterway
Elbow
(HI-L·G)**



Nominal diameter 13~50mm



Nominal diameter 65~150mm

Unit : mm

Nominal diameter	L	Z (Reference)	Standard	Part No.
13	36	10	JIS K 6743	HIL13
16	43	13	JIS K 6743	HIL16
20	50	15	JIS K 6743	HIL20
25	58	18	JIS K 6743	HIL25
30	65	21	JIS K 6743	HIL30
40	82	27	JIS K 6743	HIL40
50	96	33	JIS K 6743	HIL50
65	110	49	JIS K 6743	HIL65
75	120	56	JIS K 6743	HIL75
100	155	71	JIS K 6743	HIL1H
125	187	83	JIS K 6743	HIL1Q
150	230	98	JIS K 6743	HIL1F

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

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

Item **ESLON HI-TS joint for waterway
Elbow
(HI-L·G)**

Drawing No.
W-HITS-004

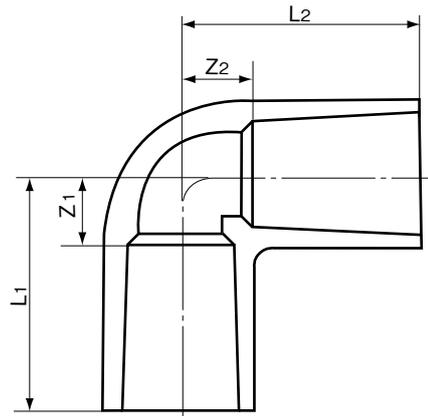
Drafting

SEKISUI CHEMICAL CO.,LTD.

Date

2025.8.20

Item **ESLON HI-TS joint for waterway**
Reducing elbow
(HI-RL·G)



Unit : mm

Nominal diameter	L1	L2	Z1	Z2	Standard	Part No.
20×13	46	40	11	14	Manufacturer's standard	HIL202
25×13	51	43	11	17	Manufacturer's standard	HIL253
25×20	55	53	15	18	Manufacturer's standard	HIL251

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

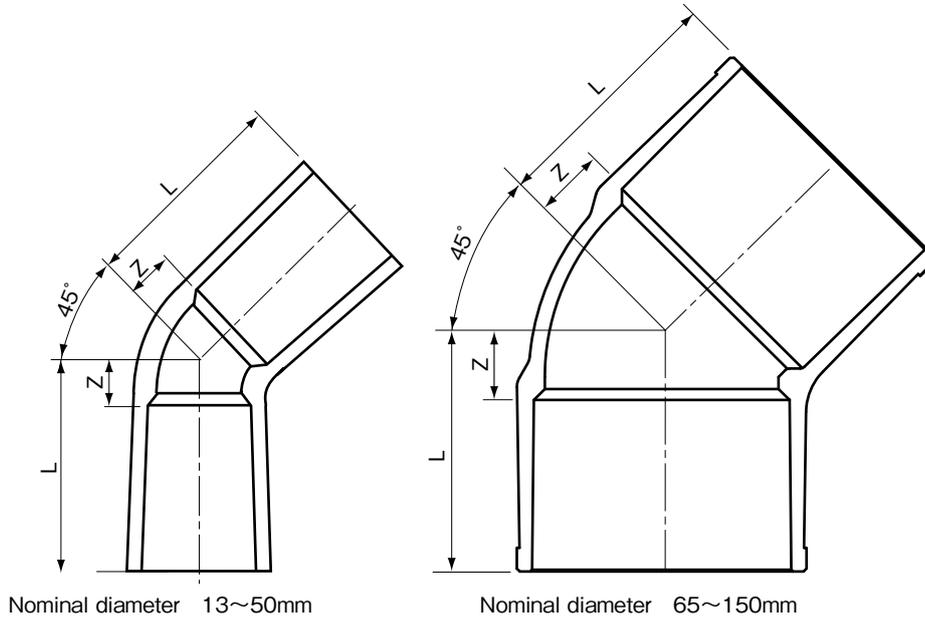
Item **ESLON HI-TS joint for waterway**
Reducing elbow
(HI-RL·G)

Drawing No.
W-HITS-005

Drafting
SEKISUI CHEMICAL CO.,LTD.

Date
2025.8.20

Item **ESLON HI-TS joint for waterway**
45°elbow
(HI-45L·G)



Unit : mm

Nominal diameter	L	Z(Reference)	Standard	Part No.
13	33	7	JIS K 6743	HI4L13
20	44	9	JIS K 6743	HI4L20
25	51	11	JIS K 6743	HI4L25
30	56	12	JIS K 6743	HI4L30
40	69	14	JIS K 6743	HI4L40
50	81	18	JIS K 6743	HI4L50
65	94	33	Manufacturer's standard	HI4L65
75	98	34	JIS K 6743	HI4L75
100	123	39	JIS K 6743	HI4L1H
125	149	44	Manufacturer's standard	HI4L1Q
150	184	51	Manufacturer's standard	HI4L1F

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

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

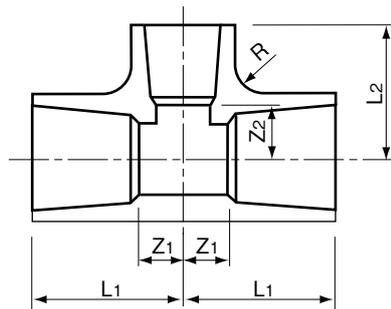
Item **ESLON HI-TS joint for waterway**
45°elbow
(HI-45L·G)

Drawing No.
W-HITS-006

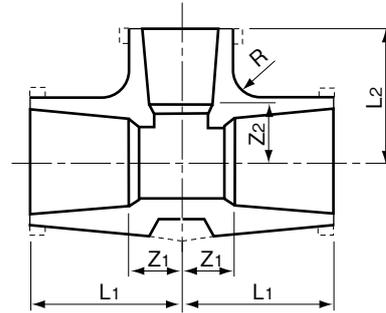
Drafting
SEKISUI CHEMICAL CO.,LTD.

Date
2025.8.20

Item **ESLON HI-TS joint for waterway
Tee/reducing tee
(HI-T·G)**



Nominal diameter 13~50mm



Nominal diameter 65~150mm

Unit : mm

Nominal diameter	L1	L2	Z1	Z2	Standard	Standard
13	36	36	10	10	JIS K 6743	HIT13
16×13	41	38	11	12	JIS K 6743	HIT161
16	43	43	13	13	JIS K 6743	HIT16
20×13	46	40	11	14	JIS K 6743	HIT202
20×16	48	45	13	15	JIS K 6743	HIT201
20	50	50	15	15	JIS K 6743	HIT20
25×13	51	43	11	17	JIS K 6743	HIT253
25×16	53	48	13	18	JIS K 6743	HIT252
25×20	55	53	15	18	JIS K 6743	HIT251
25	58	58	18	18	JIS K 6743	HIT25
30×13	55	46	11	20	JIS K 6743	HIT304
30×16	57	51	13	21	JIS K 6743	HIT303
30×20	59	56	15	21	JIS K 6743	HIT302
30×25	62	61	18	21	JIS K 6743	HIT301
30	65	65	21	21	JIS K 6743	HIT30
40×13	66	52	11	26	JIS K 6743	HIT406
40×16	68	57	13	27	JIS K 6743	HIT405
40×20	70	62	15	27	JIS K 6743	HIT404
40×25	73	67	18	27	JIS K 6743	HIT403
40×30	76	71	21	27	JIS K 6743	HIT402
40	82	82	27	27	JIS K 6743	HIT40

Nominal diameter	L1	L2	Z1	Z2	Standard	Standard
50×13	74	58	11	32	JIS K 6743	HIT507
50×16	76	63	13	33	JIS K 6743	HIT506
50×20	78	68	15	33	JIS K 6743	HIT505
50×25	81	73	18	33	JIS K 6743	HIT504
50×30	84	77	21	33	JIS K 6743	HIT503
50×40	90	88	27	33	JIS K 6743	HIT501
50	96	96	33	33	JIS K 6743	HIT50
65×50	101	104	40	41	JIS K 6743	HIT651
65	110	110	49	49	JIS K 6743	HIT65
75×25	93	88	29	48	JIS K 6743	HIT755
75×40	100	102	36	47	JIS K 6743	HIT753
75×50	105	110	41	47	JIS K 6743	HIT752
75×65	113	117	49	56	JIS K 6743	HIT751
75	120	120	56	56	JIS K 6743	HIT75
100×50	125	122	41	59	JIS K 6743	HIT1H3
100×75	140	132	56	68	JIS K 6743	HIT1H1
100	152	152	68	68	JIS K 6743	HIT1H
125×100	173	167	69	83	JIS K 6743	HIT1Q1
125	187	187	83	83	JIS K 6743	HIT1Q
150×75	195	158	63	94	JIS K 6743	HIT1F3
150×100	208	182	76	98	JIS K 6743	HIT1F2
150×125	217	201	85	97	JIS K 6743	HIT1F1
150	230	230	98	98	JIS K 6743	HIT1F

- 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 HI-TS joint for waterway
Tee/reducing tee
(HI-T·G)**

Drawing No.
W-HITS-007

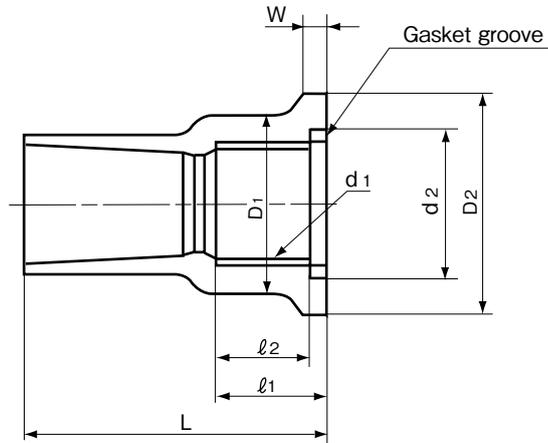
Drafting

SEKISUI CHEMICAL CO.,LTD.

Date

2025.8.20

Item **ESLON HI-TS joint for waterway
Faucet socket (without insert)
(HI-SS·G)**



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	HIWS13
16	52	4	29	34	Rp1/2	20.955	14	17	14	26	Manufacturer's standard	HIWS16
20	59	4	35	42	Rp3/4	26.441	14	19	16	32	Manufacturer's standard	HIWS20
25	68	5	43	52	Rp 1	33.249	11	21	18	40	Manufacturer's standard	HIWS25

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.

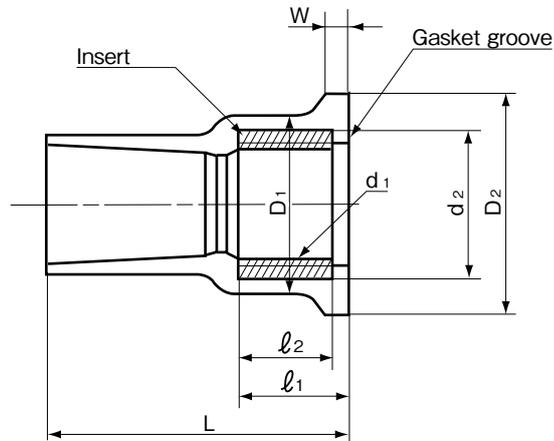
Item **ESLON HI-TS joint for waterway
Faucet socket (without insert)
(HI-SS·G)**

Drawing No.
W-HITS-008

Drafting
SEKISUI CHEMICAL CO.,LTD.

Date
2025.8.20

Item **ESLON HI-TS joint for waterway
Insert faucet socket
(HI-ISS·G)**



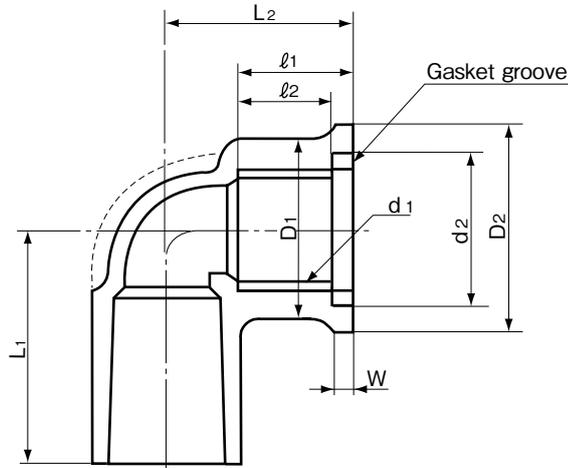
Unit : mm

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

Item **ESLON HI-TS joint for waterway
Faucet elbow (without insert)
(HI-SL·G)**



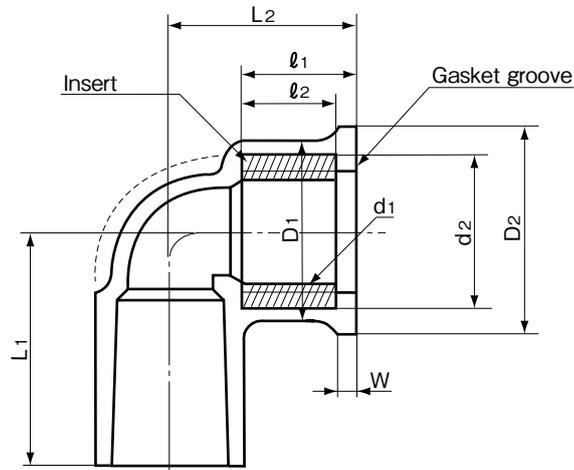
Unit : mm

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	HIWL13
16	43	32	4	29	34	Rp1/2	20.955	14	17	14	26	Manufacturer's standard	HIWL16
20	51	36	4	35	42	Rp3/4	26.441	14	19	16	32	Manufacturer's standard	HIWL20
25	59	40	5	43	52	Rp 1	33.249	11	21	18	40	Manufacturer's standard	HIWL25

- 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 -1 mm.
 3. The tolerance for L₂ is +5 and -2 mm.
 4. The shape represented by the dotted line is also available.

Item ESLON HI-TS joint for waterway Faucet elbow (without insert) (HI-SL·G)	Drawing No. W-HITS-010
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON HI-TS joint for waterway
Insert faucet elbow (S type)
(HI-ISL·G)**



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	IIWL13M
16×13	43	32	4	30	34	Rp1/2	20.955	14	17	14	26	JIS K 6743	IIWL16M
20×13	47	33	4	30	34	Rp1/2	20.955	14	17	14	26	JIS K 6743	IIWL22M
20	51	36	4	37	42	Rp3/4	26.441	14	19	16	32	JIS K 6743	IIWL20M
25	59	40	5	46	52	Rp 1	33.249	11	21	18	40	JIS K 6743	IIWL25M

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.

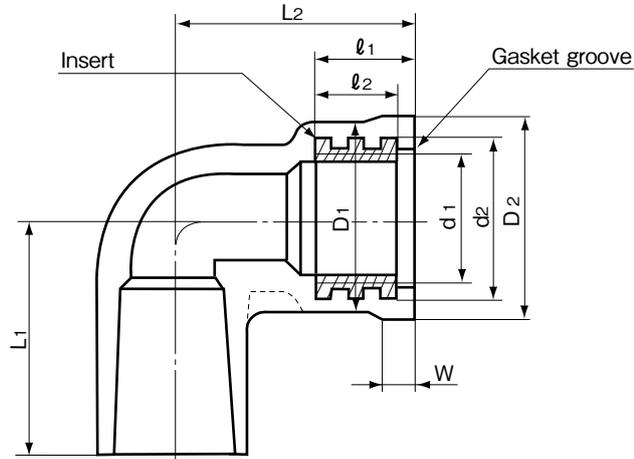
4.The tolerance for L₂ is +5 and -2mm.

5.The tolerance for l₂ is ±1mm.

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

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

Item **ESLON HI-TS joint for waterway
Insert faucet elbow (L type)
(HI-LL·G)**



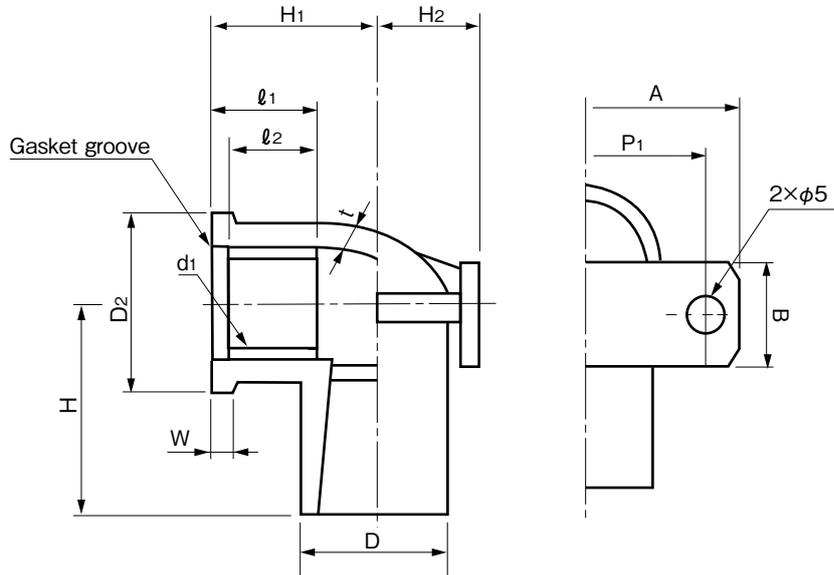
Unit : mm

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	IIL13LM
16×13	43	48	4	30	34	Rp1/2	20.955	14	17	14	26	JIS K 6743	IIL16LM
20×13	47	50	4	30	34	Rp1/2	20.955	14	17	14	26	JIS K 6743	IIL20LM

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

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



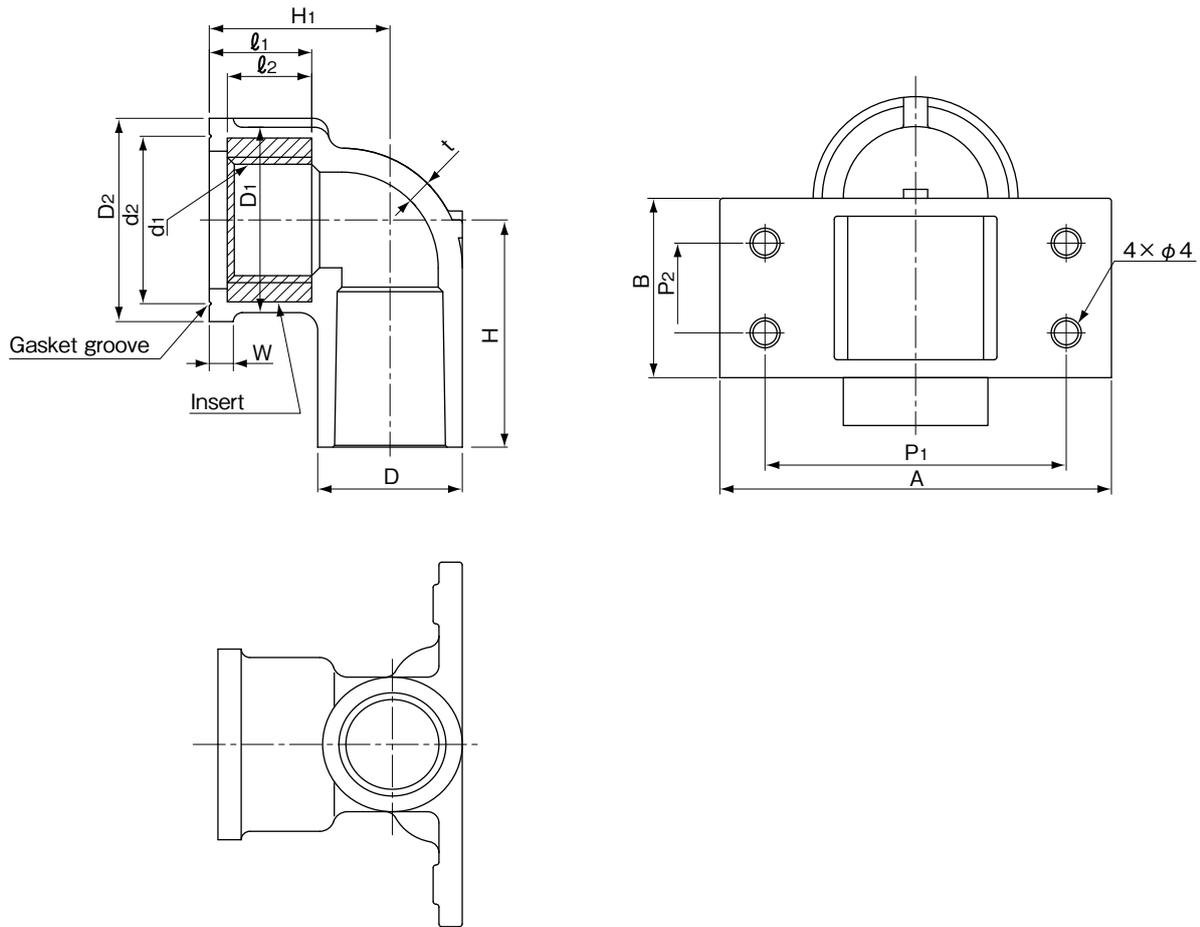
単位 : mm

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	HIZWL13

- 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 HI-TS joint for waterway Elbow with faucet seat (without insert) (HI-ZL·G)	Drawing No. W-HITS-013
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON HI-TS joint for waterway
Faucet elbow with insert seat
(HI-IZL·G)**



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	IIZL13M
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	IIZL22M

- 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 HI-TS joint for waterway
Faucet elbow with insert seat
(HI-IZL·G)**

Drawing No.
W-HITS-014

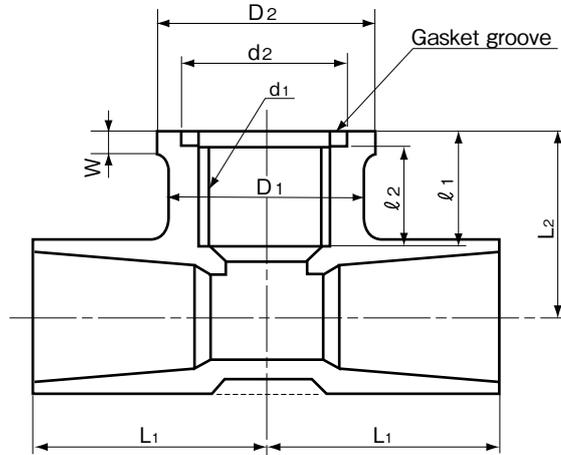
Drafting

SEKISUI CHEMICAL CO.,LTD.

Date

2025.8.20

Item **ESLON HI-TS joint for waterway
Faucet tee (without insert)
(HI-ST·G)**



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	HIWT13
20×13	47	29	Rp1/2	20.955	14	17	14	26	34	4	34	Manufacturer's standard	HIWT202
20×20	51	35	Rp3/4	26.441	14	19	16	32	42	4	36	Manufacturer's standard	HIWT20
25×25	59	43	Rp 1	33.249	11	21	18	40	52	5	42	Manufacturer's standard	HIWT25

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.

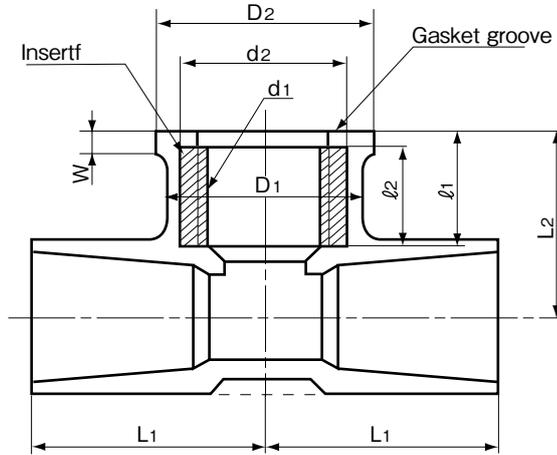
Item **ESLON HI-TS joint for waterway
Faucet tee (without insert)
(HI-ST·G)**

Drawing No.
W-HITS-015

Drafting
SEKISUI CHEMICAL CO.,LTD.

Date
2025.8.20

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



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	IIWT13M
16×13	43	30	RP1/2	20.955	14	17	14	26	34	4	32	JIS K 6743	IIWT11M
20×13	47	30	RP1/2	20.955	14	17	14	26	34	4	34	JIS K 6743	IIWT22M
20×20	51	37	RP3/4	26.441	14	19	16	32	42	4	36	JIS K 6743	IIWT20M
25×13	52	30	RP1/2	20.955	14	17	14	26	34	4	38	JIS K 6743	IIWT23M
25×25	59	46	RP 1	33.249	11	21	18	40	52	5	42	JIS K 6743	IIWT25M

- 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 HI-TS joint for waterway
Insert faucet tee
(HI-IST-G)**

Drawing No.
W-HITS-016

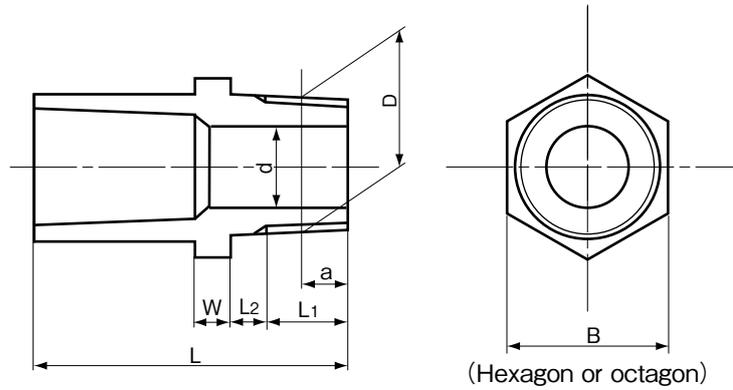
Drafting

SEKISUI CHEMICAL CO.,LTD.

Date

2025.8.20

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



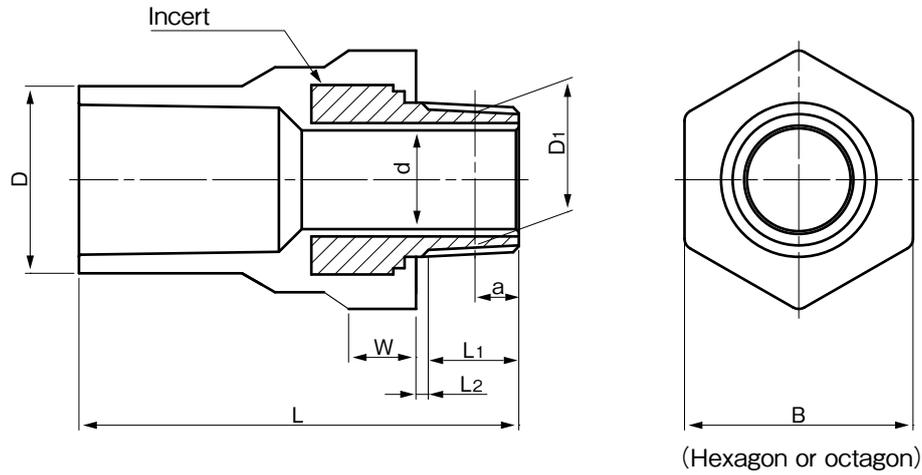
Unit : mm

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 L ₁						
13	13	R 1/2	20.955	14	8.16	±1.81	15	3.5	6	50	24	JIS K 6743	HIVS13N
16	13	R 1/2	20.955	14	8.16	±1.81	15	3.5	6	54	29	JIS K 6743	HIVS16N
20	18	R 3/4	26.441	14	9.53	±1.81	17	3.5	8	64	33	JIS K 6743	HIVS20N
25	23	R1	33.249	11	10.39	±2.31	19	4.0	8	71	40	JIS K 6743	HIVS25
30	31	R1 1/4	41.910	11	12.70	±2.31	22	4.0	10	80	46	JIS K 6743	HIVS30
40	37	R1 1/2	47.803	11	12.70	±2.31	22	5.0	10	92	57	JIS K 6743	HIVS40
50	48	R2	59.614	11	15.88	±2.31	26	5.0	12	106	70	JIS K 6743	HIVS50
65	63	R2 1/2	75.184	11	17.50	±6.90	30	6.0	14	119	91	Manufacturer's standard	HIVS65
75	74	R3	87.884	11	20.60	±6.90	34	6.0	16	128	108	Manufacturer's standard	HIVS75
100	96	R4	113.030	11	25.40	±6.90	40	7.0	18	157	135	Manufacturer's standard	HIVS1H

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

Item **ESLON HI-TS joint for waterway
Insert valve socket I
(HI-IVS I·G)**



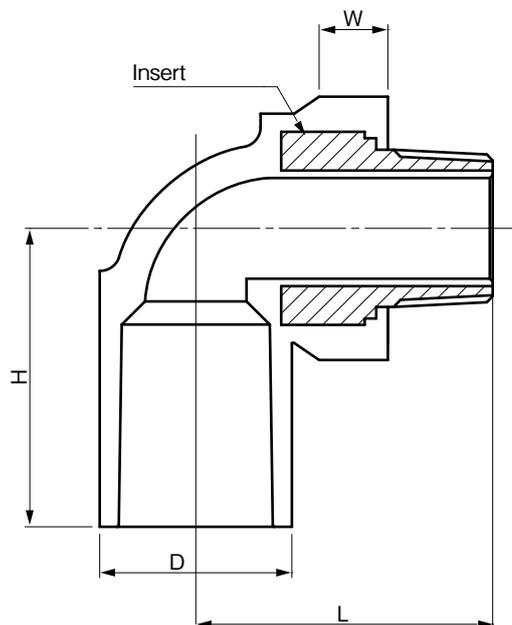
Unit:mm

Nominal diameter	D	d	Threaded section						W (Min.)	L ₂ (Max.)	L	B (Min.)	Standard	Part No.
			Nominal	Standard outer dia. D ₁	Number of screw threads (per 25.4 mm)	Standard dia. position a	Tolerance for a	Effective thread length L ₁						
13	24.0	13	R 1/2	20.955	14	8.20	±1.80	13.16	6	4	60	27	JIS K 6743	IIVS13M
16	29.0	13	R 1/2	20.955	14	8.20	±1.80	13.16	6	4	65	32	JIS K 6743	IIVS16M
20	33.0	18	R 3/4	26.441	14	9.50	±1.80	14.53	8	5	75	35	JIS K 6743	IIVS20M
25	40.0	23	R 1	33.249	11	10.40	±2.30	16.79	8	5	85	47	JIS K 6743	IIVS25M
30	46.0	31	R 1 1/4	41.910	11	12.70	±2.31	19.10	10	5	95	55	JIS K 6743	IIVS30M
40	57.0	37	R 1 1/2	47.803	11	12.70	±2.31	19.10	10	5	110	65	JIS K 6743	IIVS40M
50	70.0	48	R 2	59.614	11	15.88	±2.31	23.38	12	5	125	75	JIS K 6743	IIVS50M

- 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 HI-TS joint for waterway Insert valve socket I (HI-IVS I·G)	Drawing No.	W-HITS-018
Drafting	SEKISUI CHEMICAL CO.,LTD.	Date	2025.8.20

Item **ESLON HI-TS joint for waterway
Insert Female-Male Elbow
(HI-IMOL·G)**



Unit : mm

Nominal diameter	D	H	W	L	Standard	Part No.
20×3/4	33.0	50	10	53.5	Manufacturer's standard	IIL20AM

- 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.

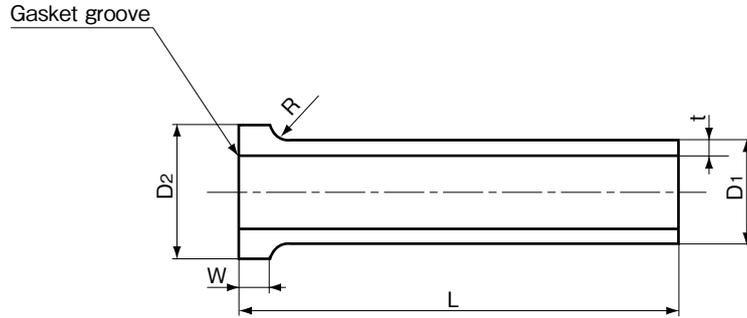
Item **ESLON HI-TS joint for waterway
Insert Female-Male Elbow
(HI-IMOL·G)**

Drawing No.
W-HITS-019

Drafting
SEKISUI CHEMICAL CO.,LTD.

Date
2025.8.20

Item **ESLON HI-TS joint for waterway
Union socket
(HI-US·G)**



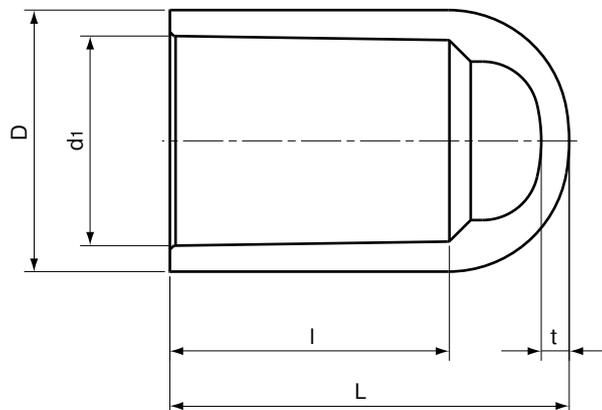
Unit : mm

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	HIUS13N
16	22.0 ± 0.20	3.0 ± 0.3	27.5 ± 0.4	5	85	JIS K 6743	HIUS16N
20	26.0 ± 0.20	3.0 ± 0.3	29.5 ± 0.4	6	90	JIS K 6743	HIUS20N
25	32.0 ± 0.20	3.5 ± 0.3	36.5 ± 0.5	7	100	JIS K 6743	HIUS25
30	38.0 ± 0.30	3.5 ± 0.3	42.0 ± 0.6	8	110	JIS K 6743	HIUS30
40	48.0 ± 0.30	4.0 ± 0.3	53.0 ± 0.7	8	120	JIS K 6743	HIUS40
50	60.0 ± 0.40	4.5 ± 0.4	71.0 ± 0.8	9	130	JIS K 6743	HIUS50

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

Item ESLON HI-TS joint for waterway Union socket (HI-US·G)	Drawing No. W-HITS-020
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20

Item **ESLON HI-TS joint for waterway
Cap
(HI -C·G)**



単位：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	HIC13X
16	29.0	22.40	43.0	30.0	3.5	JIS K 6743	HIC16X
20	33.0	26.45	50.0	35.0		JIS K 6743	HIC20X
25	40.0	32.55	58.5	40.0	4.0	JIS K 6743	HIC25X
30	46.0	38.60	65.5	44.0		JIS K 6743	HIC30X
40	57.0	48.70	82.0	55.0	4.5	JIS K 6743	HIC40X
50	70.0	60.80	96.5	63.0	5.0	JIS K 6743	HIC50X
75	102.0	89.60	105.0	64.0	8.0	JIS K 6743	HIC75
100	130.0	114.70	138.0	84.0	10.0	JIS K 6743	HIC1H
150	186.0	166.00	205.0	132.0	13.0	JIS K 6743	HIC1F

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 HI-TS joint for waterway
Cap
(HI -C·G)**

Drawing No.
W-HITS-021

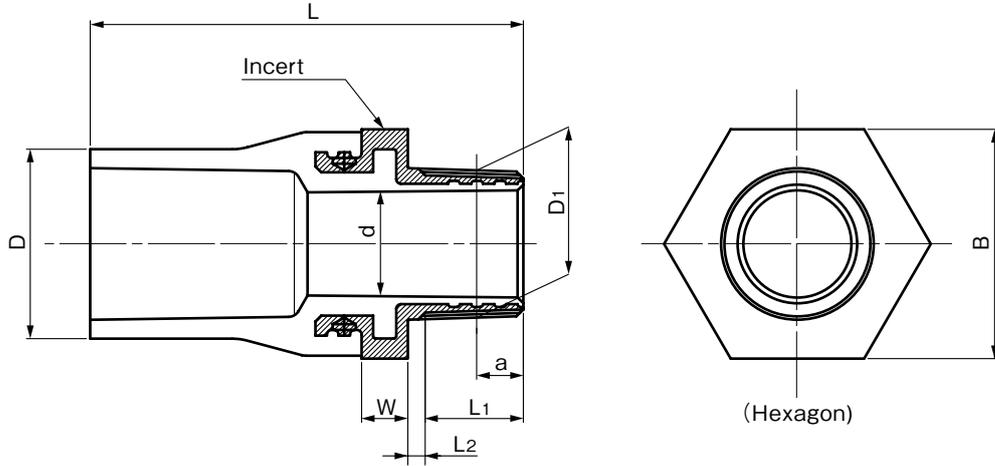
Drafting

SEKISUI CHEMICAL CO.,LTD.

Date

2025.8.20

Item **ESLON HI-TS joint for waterway
Insert valve socket II
(HI-IVS II·G)**



Unit:mm

Nominal diameter	D	d	Threaded section						W (Min.)	L ₂ (Max.)	L	B (Min.)	Standard	Part No.
			Nominal	Standard outer dia. D ₁	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	IKVS13
16	29.0	13.0	R 1/2	20.955	14	8.16	±1.81	13.16	6	4	66	32	JIS K 6743	IKVS16
20	33.0	18.0	R 3/4	26.441	14	9.53	±1.81	14.53	8	5	75	35	JIS K 6743	IKVS20
25	40.0	23.0	R 1	33.249	11	10.39	±2.31	16.79	8	5	85	47	JIS K 6743	IKVS25
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	IKVS30
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	IKVS40
50	70.0	48.0	R 2	59.614	11	15.88	±2.31	23.38	12	5	125	75	JIS K 6743	IKVS50

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

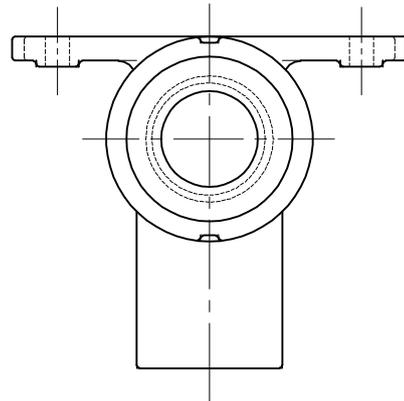
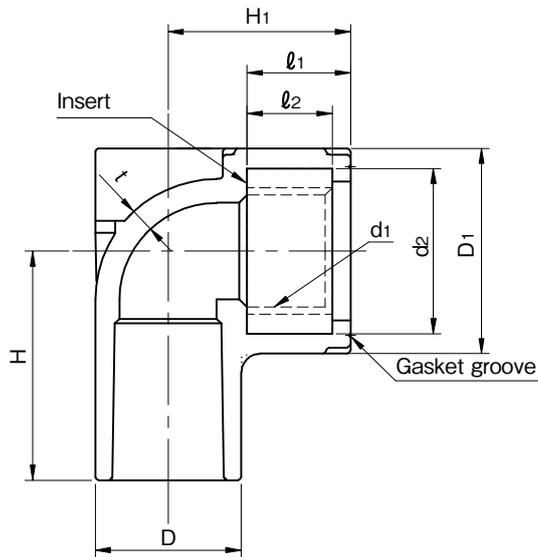
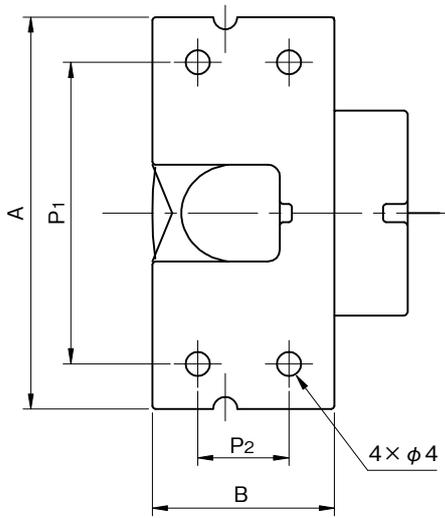
Item **ESLON HI-TS joint for waterway
Insert valve socket II
(HI-IVS II·G)**

Drawing No.
W-HITS-035

Drafting
SEKISUI CHEMICAL CO.,LTD.

Date
2025.8.20

Item **ESLON HI-TS joint for waterway
Faucet tee (without insert)
(HI-TZL·G)**



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	IITZL1M
20×13	33	4	49	33	34	Rp1/2	20.955	14	17	14	26	50	16.5	65	33	IITZL2M

- 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 HI-TS joint for waterway Faucet tee (without insert) (HI-TZL·G)	Drawing No. W-HITS-037
Drafting SEKISUI CHEMICAL CO.,LTD.	Date 2025.8.20