

# SEKISUI

■Rigid polyvinyl chloride water pipes and fittings

## **ESLON HI Joint Transparent Blue**

Approved Drawings

SEKISUI CHEMICAL CO.,LTD.

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## ESLON HI Joint Transparent Blue Approved Drawings

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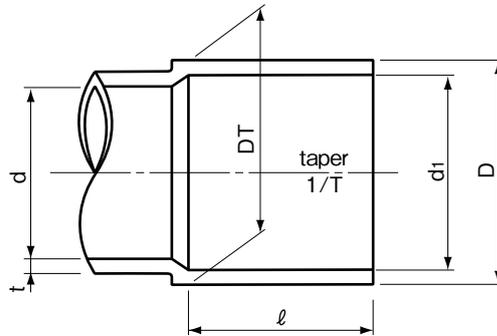
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### ■ ESLON HI Joint Transparent Blue

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Item

**ESLON HI Joint Transparent Blue**  
**Common dimensions of socket (Type A)**



Unit : mm

Nominal diameter	d1		1/T	ℓ	d (Min.)	Outer diameter of socket			Thickness (t)	
	Standard dimension	Tolerance				D	DT	Tolerance	Standard 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

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

2. The positive tolerances for D, DT, and t are not restricted.

Item

**ESLON HI Joint Transparent Blue**  
**Common dimensions of socket (Type A)**

Drawing No.

W-HITB-001

Drafting

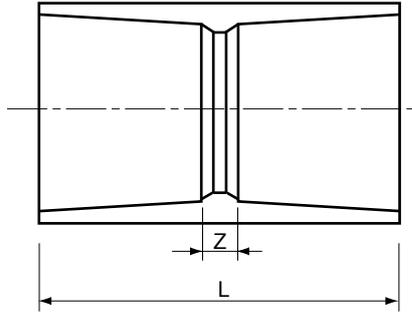
SEKISUI CHEMICAL CO.,LTD.

Date

2025.8.20

Item

**ESLON HI Joint Transparent Blue  
Socket (HI-S-TB)**



Unit : mm

Nominal diameter	L	Z(Reference)	Part No.
13	57	5	EHIS13
16	67	7	EHIS16
20	77	7	EHIS20
25	87	7	EHIS25
30	95	7	EHIS30
40	117	7	EHIS40
50	133	7	EHIS50

Note : The tolerance for L is  $\pm 4$  mm.

Item

**ESLON HI Joint Transparent Blue  
Socket (HI-S-TB)**

Drawing No.

**W-HITB-002**

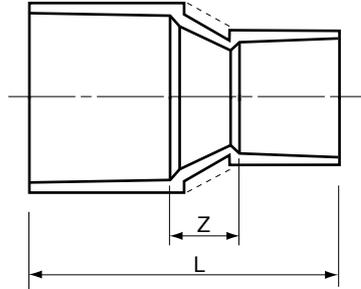
Drafting

**SEKISUI CHEMICAL CO.,LTD.**

Date

**2025.8.20**

Item

**ESLON HI Fitting Transparent Blue  
Reducing socket (HI-R-TB)**


Unit : mm

Nominal diameter	L	Z (Reference)	Part No.
16×13	61	5	EHIS161
20×13	68	7	EHIS202
20×16	71	6	EHIS201
25×13	86	20	EHIS253
25×16	85	15	EHIS252
25×20	84	9	EHIS251
30×13	95	25	EHIS304
30×20	93	14	EHIS302
30×25	93	9	EHIS301
40×20	113	23	EHIS404
40×25	114	19	EHIS403
40×30	114	15	EHIS402
50×25	140	37	EHIS504
50×30	136	29	EHIS503
50×40	136	18	EHIS501

Note 1. The tolerance for L is  $\pm 4$  mm.

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

Item

**ESLON HI Fitting Transparent Blue  
Reducing socket (HI-R-TB)**

Drawing No.

**W-HITB-003**

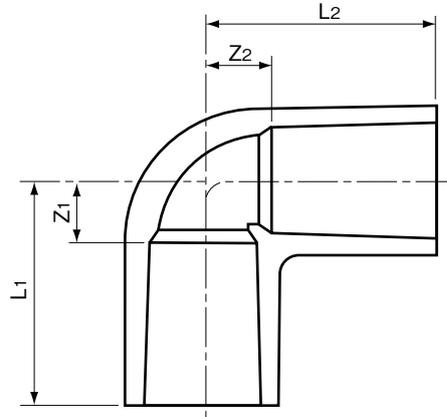
Drafting

**SEKISUI CHEMICAL CO.,LTD.**

Date

**2025.8.20**

Item

**ESLON HI Fitting Transparent Blue  
Elbow/Reducing elbow (HI-L-TB)**


Unit : mm

Nominal diameter	L1	L2	Z1	Z2	Part No.
13	36	36	10	10	EHIL13
16	43	43	13	13	EHIL16
20×13	46	40	11	14	EHIL202
20	50	50	15	15	EHIL20
25	58	58	18	18	EHIL25
30	65	65	21	21	EHIL30
40	82	82	27	27	EHIL40
50	96	96	33	33	EHIL50

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

Item

**ESLON HI Fitting Transparent Blue  
Elbow/Reducing elbow (HI-L-TB)**

Drawing No.

**W-HITB-004**

Drafting

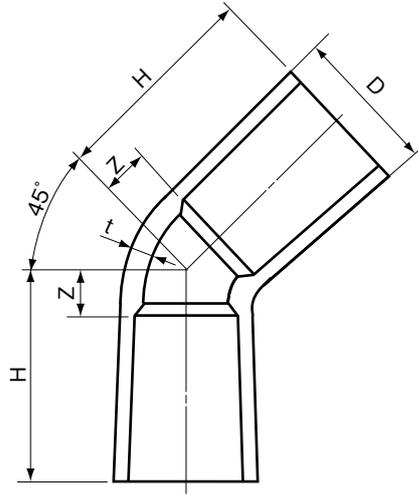
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Date

**2025.8.20**

Item

**ESLON HI Fitting Transparent Blue  
45°elbow (HI-45L-TB)**



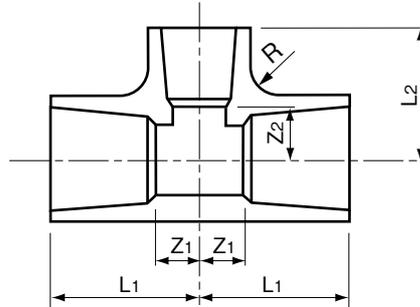
Unit : mm

Nominal diameter	D	t	H	Z (Reference)	Part No.
13	24	3.0	33	7	EHI4L13
20	33	3.5	44	9	EHI4L20
25	40	4.0	51	11	EHI4L25
30	46	4.0	56	12	EHI4L30
40	57	4.5	69	14	EHI4L40
50	70	5.0	81	18	EHI4L50

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

Item	<b>ESLON HI Fitting Transparent Blue 45°elbow (HI-45L-TB)</b>	Drawing No.	<b>W-HITB-005</b>
Drafting	SEKISUI CHEMICAL CO.,LTD.	Date	2025.8.20

Item

**ESLON HI Fitting Transparent Blue  
Tee/Reducing tee (HI-T-TB)**


Unit : mm

Nominal diameter	L1	L2	Z1	Z2	Part No.
13	36	36	10	10	EHIT13
16×13	41	38	11	12	EHIT161
16	43	43	13	13	EHIT16
20×13	46	40	11	14	EHIT202
20×16	48	45	13	15	EHIT201
20	50	50	15	15	EHIT20
25×13	51	43	11	17	EHIT253
25×16	53	48	13	18	EHIT252
25×20	55	53	15	18	EHIT251
25	58	58	18	18	EHIT25
30×13	55	46	11	20	EHIT304
30×16	57	51	13	21	EHIT303
30×20	59	56	15	21	EHIT302
30×25	62	61	18	21	EHIT301
30	65	65	21	21	EHIT30

Nominal diameter	L1	L2	Z1	Z2	Part No.
40×13	66	52	11	26	EHIT406
40×16	68	57	13	27	EHIT405
40×20	70	62	15	27	EHIT404
40×25	73	67	18	27	EHIT403
40×30	76	71	21	27	EHIT402
40	82	82	27	27	EHIT40
50×13	74	58	11	32	EHIT507
50×16	76	63	13	33	EHIT506
50×20	78	68	15	33	EHIT505
50×25	81	73	18	33	EHIT504
50×30	84	77	21	33	EHIT503
50×40	90	88	27	33	EHIT501
50	96	96	33	33	EHIT50

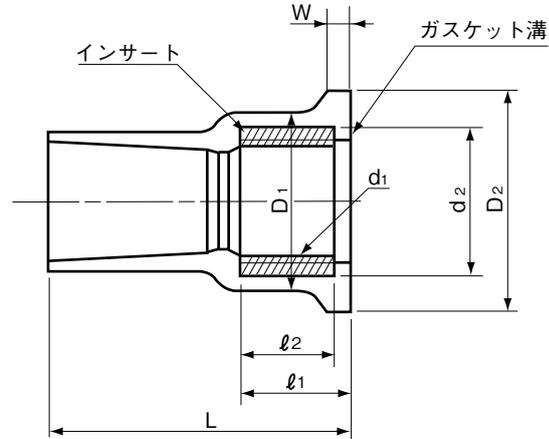
Note 1.The tolerance for L1 and L2 is +5 and -1 mm.

2.Z1 and Z2 is for reference.

3.R is more than 10 mm.

Item	<b>ESLON HI Fitting Transparent Blue Tee/Reducing tee (HI-T-TB)</b>	Drawing No. <b>W-HITB-006</b>
Drafting	SEKISUI CHEMICAL CO.,LTD.	Date <b>2025.8.20</b>

Item

**ESLON HI Fitting Transparent Blue  
Insert Faucet Socket (HI-ISS-TB)**


Unit : mm

Nominal diameter	L	W	D <sub>1</sub>	D <sub>2</sub>	Threaded section			ℓ <sub>1</sub>	ℓ <sub>2</sub>	d <sub>2</sub>	Part No.
					Nominal	Root diameter d <sub>1</sub>	Number of screw threads (per 25.4 mm)				
13	47	4	30	34	Rp1/2	20.955	14	17	14	26	EHWS13M
16×13	52	4	30	34	Rp1/2	20.955	14	17	14	26	EHWS16M
20×13	57	4	30	34	Rp1/2	20.955	14	17	14	26	EHWS22M
20	59	4	37	42	Rp3/4	26.441	14	19	16	32	EHWS20M
25	68	5	46	52	Rp 1	33.249	11	21	18	40	EHWS25M

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

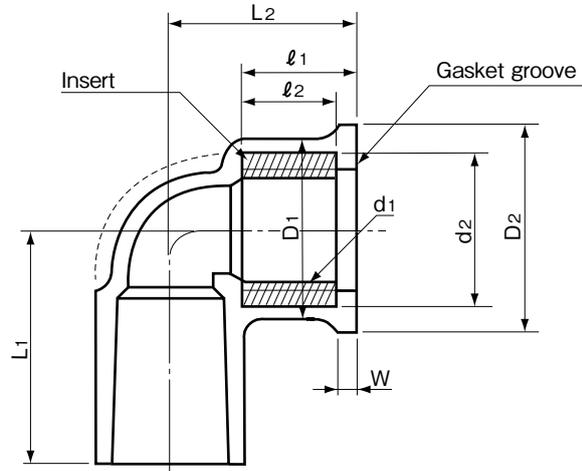
2.The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.

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

4.The tolerance for ℓ<sub>2</sub> is ±1mm.

Item	<b>ESLON HI Fitting Transparent Blue Insert Faucet Socket (HI-ISS-TB)</b>	Drawing No. <b>W-HITB-007</b>
Drafting	SEKISUI CHEMICAL CO.,LTD.	Date <b>2025.8.20</b>

Item

**ESLON HI Fitting Transparent Blue  
Insert Faucet Elbow (Type S) (HI-ISL-TB)**


Unit : mm

Nominal diameter	L <sub>1</sub>	L <sub>2</sub>	W	D <sub>1</sub>	D <sub>2</sub>	Threaded section			l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	Part No.
						Nominal	Root diameter d <sub>1</sub>	Number of screw threads (per 25.4 mm)				
13	38	29	4	30	34	Rp1/2	20.955	14	17	14	26	EHWL13M
16×13	43	32	4	30	34	Rp1/2	20.955	14	17	14	26	EHWL16M
20×13	47	33	4	30	34	Rp1/2	20.955	14	17	14	26	EHWL22M
20	51	36	4	37	42	Rp3/4	26.441	14	19	16	32	EHWL20M
25	59	40	5	46	52	Rp 1	33.249	11	21	18	40	EHWL25M

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<sub>1</sub> is +5 and -1mm.

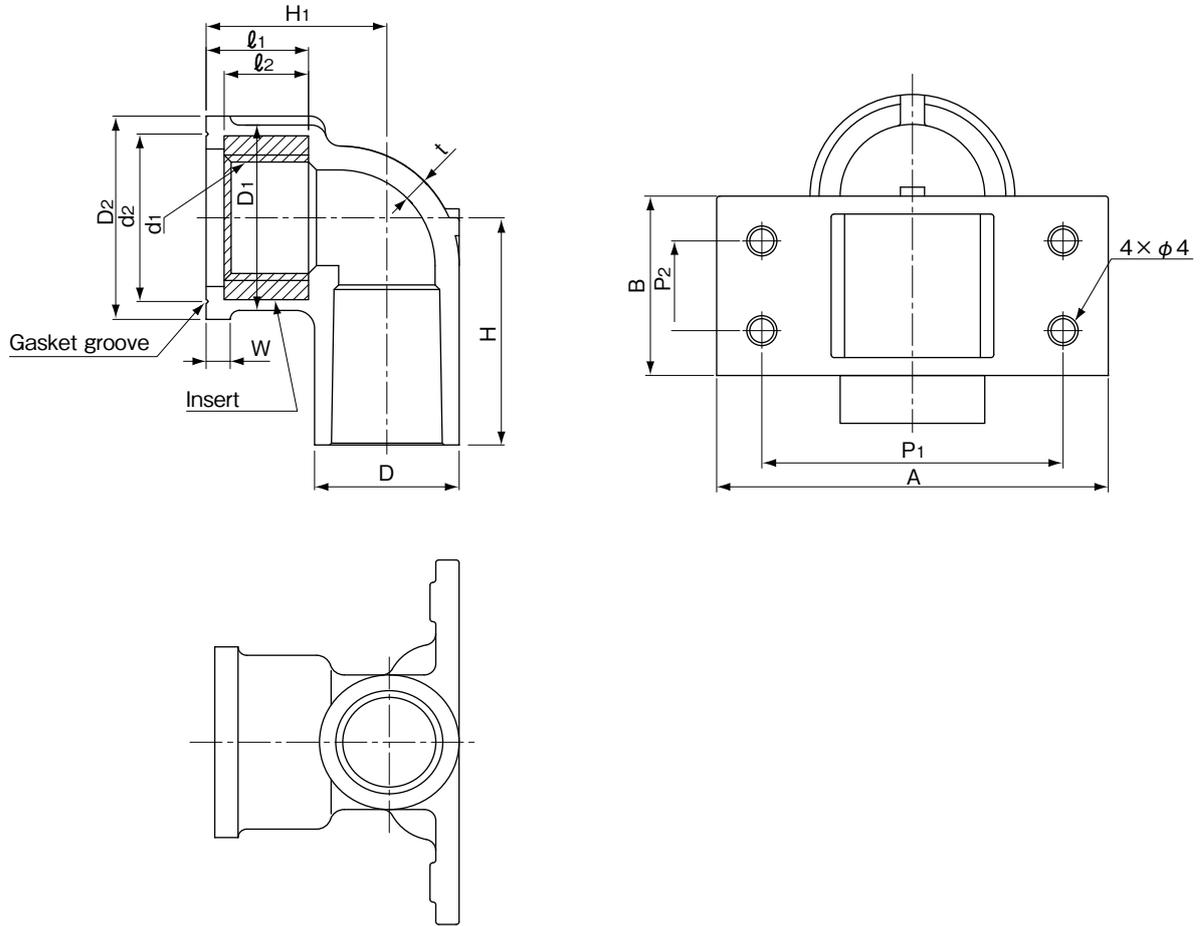
4. The tolerance for L<sub>2</sub> is +5 and -2mm.

5. The tolerance for l<sub>2</sub> is ±1mm.

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

Item	<b>ESLON HI Fitting Transparent Blue Insert Faucet Elbow (Type S) (HI-ISL-TB)</b>	Drawing No. <b>W-HITB-008</b>
Drafting	SEKISUI CHEMICAL CO.,LTD.	Date <b>2025.8.20</b>

Item

**ESLON HI Fitting Transparent Blue  
Faucet Elbow with Insert Seat (HI-IZL-TB)**


Unit : mm

Nominal diameter	D	t	H	H <sub>1</sub>	W	D <sub>1</sub>	D <sub>2</sub>	Threaded section			l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	P <sub>1</sub>	P <sub>2</sub>	A	B	Part No.
								Nominal	Root diameter d <sub>1</sub>	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	EHZL13M
20×13	33	3.5	47	33	4	30	34	Rp1/2	20.955	14	17	14	26	50	15	65	30	EHZL22M

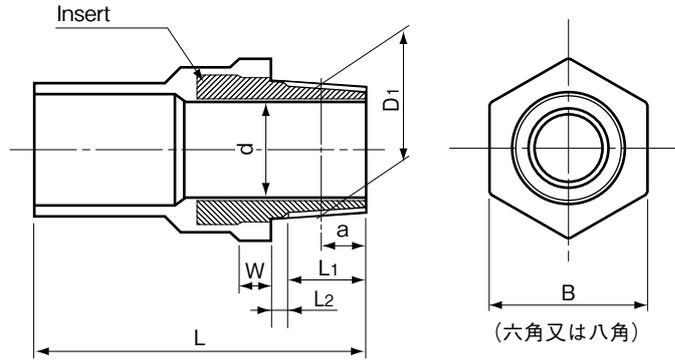
- Note : 1.The material of the insert in the threaded section is JIS H 5121 CAC406C.  
 2.The threaded section of JIS B 0203 (pipe taper thread) is the parallel female thread.  
 3.The tolerance for H is +5 and -1mm.  
 4.The tolerance for l<sub>2</sub> is ±1mm.  
 5.The tolerance for H<sub>1</sub> is +5 and -2mm

Item	<b>ESLON HI Fitting Transparent Blue Faucet Elbow with Insert Seat (HI-IZL-TB)</b>	Drawing No. <b>W-HITB-009</b>
Drafting	SEKISUI CHEMICAL CO.,LTD.	Date <b>2025.8.20</b>

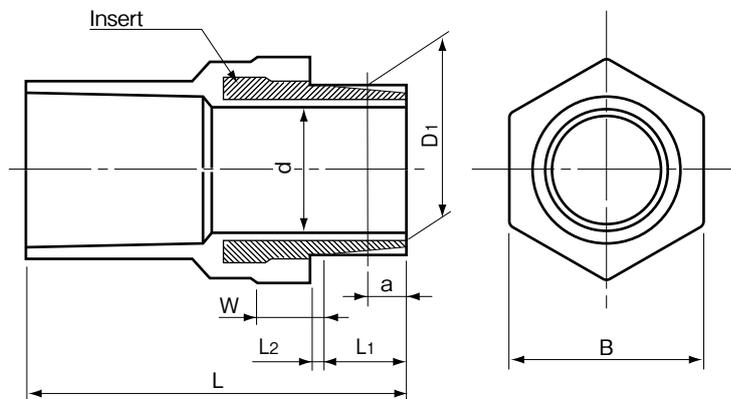
Item

**ESLON HI Fitting Transparent Blue  
Insert Valve Socket (HI-IVS-TB)**

Nominal diameter 13~25



Nominal diameter 30~50



Unit : mm

Nominal diameter	d	Threaded section						W (min)	L <sub>2</sub> (max)	L	B (min)	Part No.
		Nominal	Standard outer dia. D <sub>1</sub>	Number of screw threads (per 25.4 mm)	Standard dia. position a	Tolerance for a	Effective thread length L <sub>1</sub>					
13	13	R 1/2	20.955	14	8.16	±1.81	13.16	6	4	60	27	EHVS13M
16	13	R 1/2	20.955	14	8.16	±1.81	13.16	6	4	68	32	EHVS16M
20	18	R 3/4	26.441	14	9.53	±1.81	14.53	8	5	75	35	EHVS20M
25	23	R 1	33.249	11	10.39	±2.31	16.79	8	5	85	47	EHVS25M
30	31	R 1 1/4	41.910	11	12.70	±2.31	19.10	17	3	95	55	EHVS30M
40	37	R 1 1/2	47.803	11	12.70	±2.31	19.10	18	3	110	65	EHVS40M
50	48	R 2	59.614	11	15.88	±2.31	23.38	19	4	125	75	EHVS50M

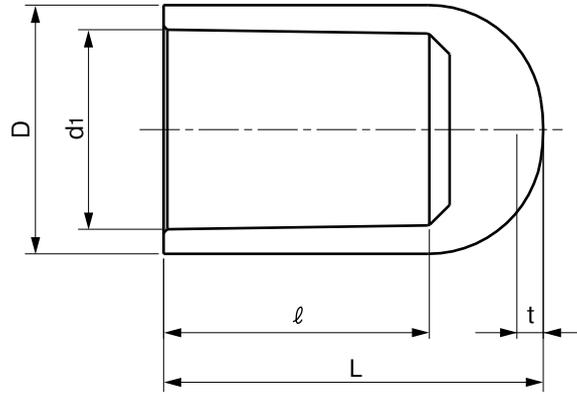
Note:1.The material of the insert in the threaded section is JIS H 3250 free-cutting brass.

2.The threaded section conforms to the JIS B 0203 (pipe taper thread) taper thread.

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

Item	<b>ESLON HI Fitting Transparent Blue Insert Valve Socket (HI-IVS-TB)</b>	Drawing No.	<b>W-HITB-010</b>
Drafting	SEKISUI CHEMICAL CO.,LTD.	Date	2025.8.20

Item

**ESLON HI Fitting Transparent Blue  
Cap(HI-C-TB)**


Unit : mm

Nominal diameter	D	d1	L	ℓ	t	Part No.
13	27.5	18.40	40.0	26.0	3.5	EHIC13N
16	31.0	22.40	45.5	30.0		EHIC16N
20	36.0	26.45	53.0	35.0	4.0	EHIC20N
25	42.0	32.55	61.0	40.0		EHIC25
30	48.0	38.60	68.0	44.0	4.5	EHIC30
40	58.0	48.70	84.0	55.0		EHIC40
50	70.0	60.80	98.0	63.0	5.0	EHIC50

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

2. The tolerance for ℓ and L is  $\pm 4.0$ .

Item

**ESLON HI Fitting Transparent Blue  
Cap(HI-C-TB)**

Drawing No.

**W-HITB-011**

Drafting

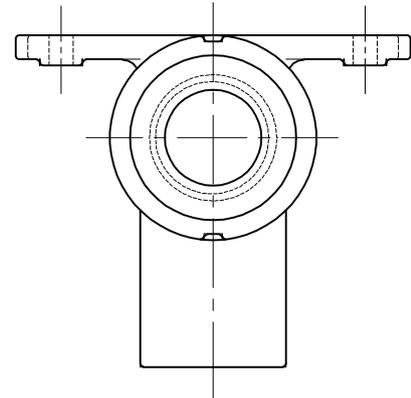
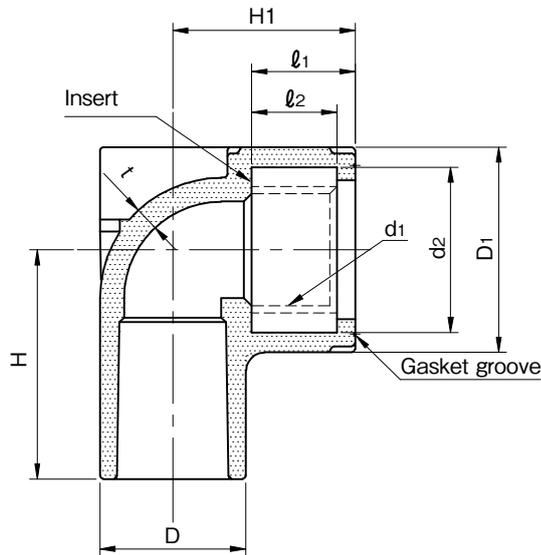
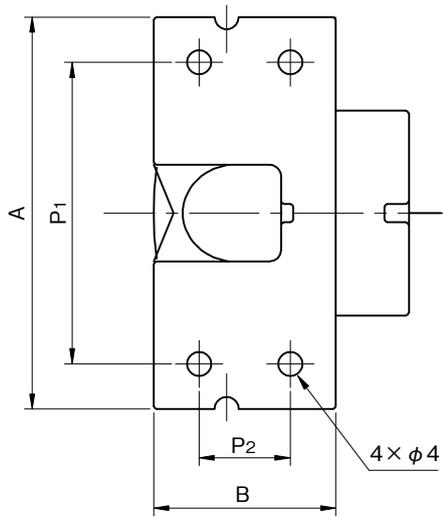
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Date

2025.8.20

Item

**ESLON HI Fitting Transparent Blue  
Faucet elbow with insert top seat(HI-TZL-TB)**



Unit : mm

Nominal diameter	D	t	H	H <sub>1</sub>	D <sub>1</sub>	Threaded section			ℓ <sub>1</sub>	ℓ <sub>2</sub>	d <sub>2</sub>	P <sub>1</sub>	P <sub>2</sub>	A	B	Part No.
						Nominal	Root diameter d <sub>1</sub>	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	EHTZL1M
20×13	33	4	49	33	34	Rp1/2	20.955	14	17	14	26	50	16.5	65	33	EHTZL2M

- 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 ℓ<sub>2</sub> is ±1mm.  
 5.The tolerance for H<sub>1</sub> is +5 and -2mm.

Item	<b>ESLON HI Fitting Transparent Blue Faucet elbow with insert top seat(HI-TZL-TB)</b>	Drawing No. <b>W-HITB-012</b>
Drafting	<b>SEKISUI CHEMICAL CO.,LTD.</b>	Date <b>2025.8.20</b>