

Ships' foot valves

1. **Scope** This Japanese Industrial Standard specifies ships' foot valves.

Remarks: This standard makes reference to the following standards:
JIS B 0207 – Metric fine screw threads
JIS B 1101 – Slotted head screws
JIS F 7400 – Shipbuilding – Valves and cocks general inspection requirement
JIS H 3100 – Copper and copper alloy sheets, plates and strip
JIS H 3250 – Copper and copper alloy rods and bars
JIS H 5111 – Bronze castings

2. **Classification** The foot valves shall be classified into two types A (without valve gasket) and B (with valve gasket) according to their shapes.

3. **Construction, shape and dimensions** The construction, shape and dimensions shall be as shown in Figs. 1 and 2.

4. **Materials** The materials shall be as given in Table 1

Table 1 Material of foot valve

No.	Component	Material
1	Body (upper part)	JIS H 5111-BC 6
2	Body (lower part)	
3	Gasket	Oil resisting synthetic rubber
4	Valve	JIS H 5111-BC 6
5	Valve gasket	Oil resisting synthetic rubber
6	Gasket keep	JIS H 3100-C2600P
7	Pan head machine screw	JIS H 3250-C4641BD

5. **Tests and inspection** The valves shall be subjected to the following tests and inspection, and shall satisfy all of the requirements specified.

- (1) **Visual inspection** Appearance shall be inspected in accordance with JIS F 7400.
- (2) **Hydraulic inspection of body** The body shall be subjected to a hydraulic of 0.2 MPa, and no defect shall be found on all the parts of the body.
- (3) **Operation inspection** The operation of valve shall be smooth, and only such amount of leakage that will not interfere with the actual working of the valve shall be permitted.

6. **Designation** The valve shall be designated by the title, JIS number, type and nominal diameter.

Example: Ships' foot valve type A 40, or JIS F 3056 A 40

Unit: mm

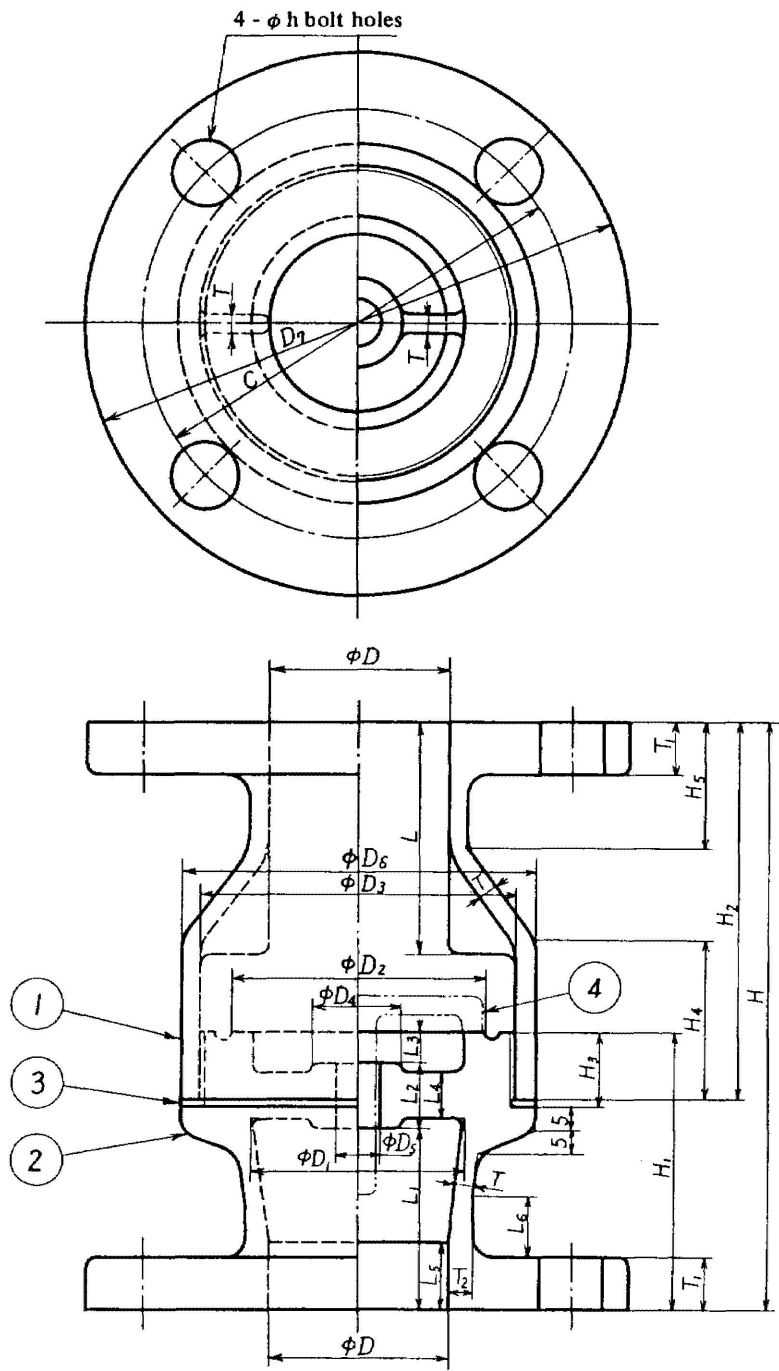


Fig. 1 Type A and Type B bodies