

Boom Rest Head Pieces

1. Scope

This Japanese Industrial Standard specifies boom rest head pieces used for the ships' steel plate derrick boom specified in **JIS F 2201** stowed horizontally.

2. Construction, Shape and Dimensions

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

3. Materials

The materials shall be as given in **Table**:

Table

No.	Component	Material
1	Holder band	Steel plate
2	Keep band	
3	Lining	Age-resisting synthetic rubber
4	Wing nut	Steel bar or JIS G 4303-SUS 304
5	Swing bolt	JIS H 3250-C3771BD or C3771BE
6	Check piece	Brass plate
7	Clamping flange	Steel plate
8	Hinge plate	
9	Stopper for keep band	
10	Spindle	Brass bar or JIS G 4303-SUS 304
11	Spindle	
12	Split pin	Brass wire

Remark: The hardness of lining shall be 70 or more in accordance with **JIS K 6301** (Type C).

4. Appearance

The head piece shall be free from detrimental defect in service, be welded soundly and be easy of handling.

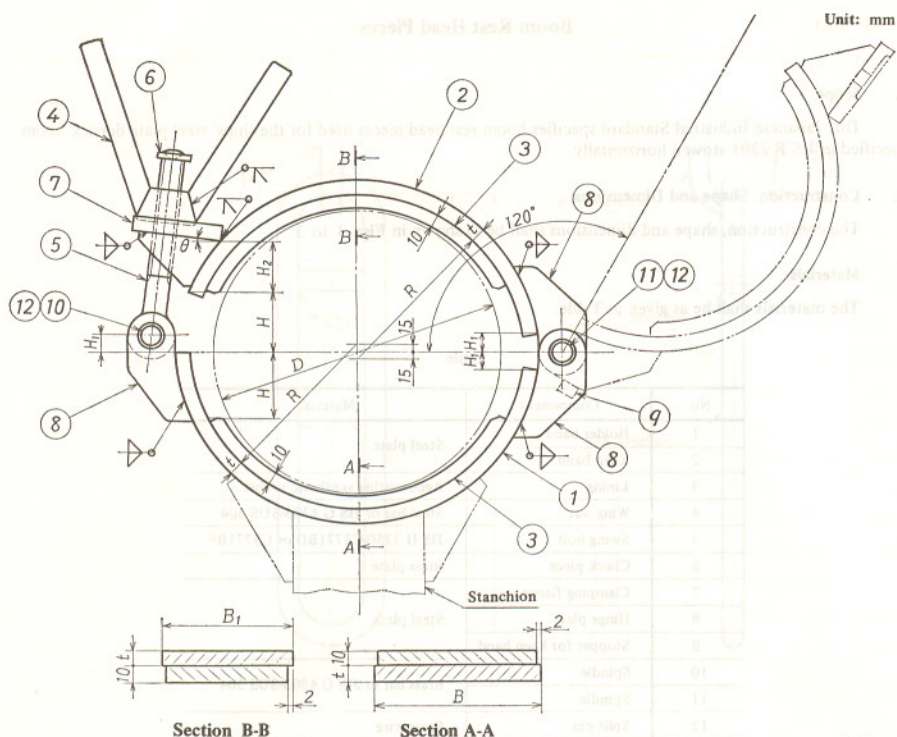
5. Designation

The boom rest head pieces shall be designated by the title and nominal diameter. **JIS** number may be used in place of the title.

Example: Boom Rest Head Piece-110 or **JIS F 2205-110**

Reference Standards:

- JIS B 0205** – Metric Coarse Screw Threads
- JIS B 1351** – Split Pins
- JIS F 2201** – Ships' Steel Plate Derrick Booms
- JIS G 4303** – Stainless Steel Bars
- JIS H 3250** – Copper and Copper Alloy Rods and Bars
- JIS K 6301** – Physical Test Method for Vulcanized Rubber



Unit: mm

Nominal dia.	Dia. of derrick boom end D	Holder band and keep band								Nominal dia. of stanchion (steel pipe)	Nominal capacity of derrick boom	Reference	
		R	B	B ₁	t	H	H ₁	H ₂	θ			Calculated mass (kg)	
110	110	82.5						30	19°	80 A	1 t	0.30	4.26
130	130	92.5						32	15°			0.37	4.61
150	150	102.5	100	75	8	30	8	34	13°		2 t	0.44	4.95
155	155	105						34	12°		1 t	0.45	5.03
175	175	115						35	9°	90 A	2 t	0.52	5.39
205	205	130						38	12°		3 t	0.68	11.68
220	220	137.5	125	100	12	50	13	39	11°		3 t, 5 t	0.75	12.47
250	250	152.5						40	8°		5 t	0.88	13.19
270	270	162.5						41	6°	100 A	10 t	1.10	18.85
290	290	172.5	150	100	16	50	13	43	5°		15 t	1.19	19.83
305	305	180						45	5°		10 t	1.27	20.58

- Remarks:
1. Lining shall be fixed by suitable means such as adhesives, countersunk head bolts or the like.
 2. Nominal diameter of stanchion (steel pipe) is given for reference only.
 3. Calculated mass of head piece shows total mass of head piece excluding lining. Mass of lining is calculated for an assumed specific gravity of 1.23.
 4. The opening angle of holder band may be changed according to the circumstances.

Fig. 1