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IS 5899 (1970): Specification - bath-room latches [CED 15: Builder Hardware]



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*Indian Standard*  
SPECIFICATION FOR  
BATH-ROOM LATCHES

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BUREAU OF INDIAN STANDARDS  
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

# *Indian Standard*

## SPECIFICATION FOR BATH-ROOM LATCHES

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**IS : 5899 - 1970**

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# *Indian Standard*

## SPECIFICATION FOR BATH-ROOM LATCHES

### 0. FOREWORD

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 24 November 1970, after the draft finalized by the Builder's Hardware Sectional Committee had been approved by the Civil Engineering Division Council.

**0.2** Bath-room latches are commonly used for securing the bath-room doors while the compartment is in use. These latches are being manufactured in the country extensively in small scale level and this standard is being issued to cover basic requirements for bath-room latches. Even though the use of the latches is predominantly for bath-room doors but the same can be used on other doors where excessive security is not the consideration.

**0.3** In the formulation of this standard due weightage has been given to international co-ordination among the standards and practices prevailing in different countries in addition to relating it to the practices in the field in this country.

**0.4** This standard is one of a series of Indian Standards on Builder's hardware.

**0.5** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS: 2-1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

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### 1. SCOPE

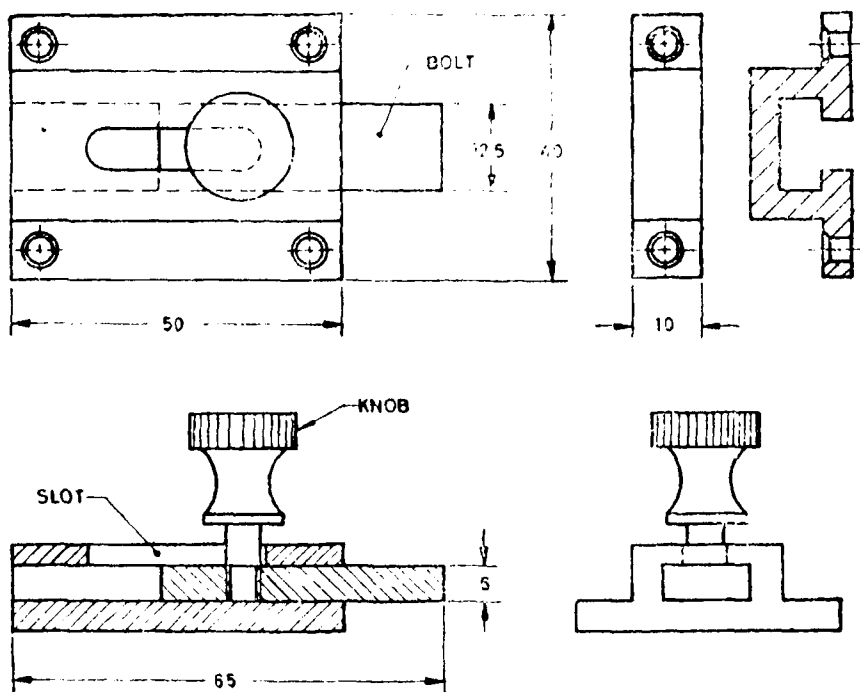
**1.1** This standard lays down the requirements for material, size and finish of bath-room latches.

### 2. SHAPE AND SIZE

**2.1** A typical illustration of bath-room latch is shown in Fig. 1.

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\*Rules for rounding off numerical values (*revised*).



All dimensions in millimetres.

FIG. 1 TYPICAL BATH-ROOM LATCH

**2.2** Bath-room latches may be manufactured in other shapes and sizes as agreed to between the manufacturer and the purchaser.

### 3. MATERIAL

**3.1** The material used for the latches shall conform to the requirements given in Table 1.

### 4. MANUFACTURE AND CONSTRUCTION

**4.1** A knob of suitable shape shall be provided to the bolt for smooth operation.

### 5. WORKMANSHIP AND FINISH

**5.1** The latch shall be smoothly finished. Aluminium alloy body may be anodized to Grade B of IS : 1868-1961\*. Cast brass body shall be given a protective coating such as painting.

\*Specification for anodized aluminium.



TABLE 1 REQUIREMENTS FOR MATERIALS FOR LATCHES

( Clause 3.1 )

SL No.	PART	MATERIAL	REQUIREMENTS	SUITABLE GRADE IN INDIAN STANDARDS
(1)	(2)	(3)	(4)	(5)
i)	Body	a) Cast brass	Copper content shall be not less than 60 percent, castings shall be free from blow holes, surface and other casting defects	Grade 3 of IS : 292-1961*
		b) Cast iron	Tensile strength 15 kg/mm <sup>2</sup> , Min, HB 149 to 197	Grade 15 of IS : 210-1962†
		c) Aluminium alloy	—	IS Designation A-5-M or A-6-M of IS : 617-1959‡
		d) Aluminium extrusions	—	IS Designation HE-9 WP or HE-19 WP of IS : 733-1967§
ii)	Bolts	a) Brass cast	As per body	As per body
		b) Brass extruded	Copper contents shall not be less than 55 percent and tensile strength 35 kg/mm <sup>2</sup> , Min	IS : 319-1962
		c) Mild steel rod	The component part when cold shall withstand, without developing cracks being doubled over either by pressure or by blows from hammer until the internal radius is equal to the thickness of diameter of the component part and the sides are parallel	Steel B of IS : 226-1962¶
		d) Cast iron	As per body	As per body
		e) Aluminium alloy	—do—	IS Designation A-5-M or A-6-M of IS : 617-1959‡
		f) Aluminium extrusions	—do—	IS Designation HE-19 WP or HE-30 WP of IS : 733-1967§
iii)	Knob	a) Cast brass	—do—	As per body
		b) Cast iron	—do—	—do—
		c) Aluminium alloy	—do—	IS Designation A-5-M or A-6-M of IS : 617-1959‡
		d) Aluminium extrusions	—do—	IS Designation HE-9 WP or HE-19 WP of IS : 733-1967§

\*Specification for brass ingots and castings ( revised ).

†Specification for grey iron castings ( revised ).

‡Specification for aluminium and aluminium alloy ingots and castings for general engineering purposes ( revised ).

§Specification for wrought aluminium and aluminium alloys, bars, rods and sections ( for general engineering purposes ) ( first revision ).

||Specification for free cutting brass rods and sections ( revised ).

¶Specification for structural steel ( standard quality ) ( third revision ).

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