

JIS

JAPANESE INDUSTRIAL STANDARD

Plastic bobbins for ring spinning frames

JIS L 5302—1992

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Plastic bobbins for ring spinning frames

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1. Scope

This Japanese Industrial Standard specifies plastic bobbins to be used for the spindles for ring spinning frames specified in JIS L 5168 (hereafter referred to as "bobbins").

Remarks 1. The following Standards are cited in this Standard:

JIS B 0401-System of Limits and Fits

JIS B 0405-General Tolerances - Part 1: Tolerances for
Linear and Angular Dimensions without Individual
Tolerance Indications

JIS B 7503-Dial Gauges Reading in 0.01 mm

JIS B 7507-Vernier Callipers

JIS G 4304-Hot Rolled Stainless Steel Plates, Sheets and
Strip

JIS L 5168-Roller Bearing Spindles for Ring Spinning
Frames and Ring Twisting Frames

2. The units and numerical values given in { } in this
Standard are based on the traditional units and are
appended for informative reference.

2. Classification

Bobbins are classified into 13 classes as given in Table 1 according to the overall length, bottom hole diameter and shape.

Table 1. Classification of bobbin

Unit: mm

Class	Overall length	Bottom hole diameter	Corresponding spindle
Type S6	180	16.33	—
Type S7	210	17.90	S2-Type 7
Type S8-A	232		S2-Type 8
Type S8-B	235		
Type T6	180	18.75	—
Type T7-A1	210	20.05	—
Type T7-A2		20.85	
Type T7-B	220	20.01	
Type T8-A	230	20.05	T2-Type 8
Type T8-B	240	20.01	
Type T8-C	235	20.85	
Type T9-A	250	22.55	T2-Type 9
Type T9-B	260	24.18	

Remarks: The overall length means the length of whole bobbin, and Type 6, Type 7, Type 8 and Type 9 mean the ones whose lifts are 155 mm 180 mm, 205 mm and 230 mm, respectively.

3. Quality

3.1 Resistance to bending of bobbin When the test for resistance to bending is carried out as specified in 5.2, the strain shall be not more than 0.3 mm.

3.2 Run out of bobbin When the test of 5.3 is carried out, the run out of bobbin shall be as specified in Table 2.