

JIS

JAPANESE INDUSTRIAL STANDARD

Hose Couplings and Hose Joints for Sprayer

JIS B 9119—1989

Translated and Published

by

Japanese Standards Association

Printed in Japan

Licensee: Hong Kong Polytechnic University/9976803100
Not for Resale, 07/29/2014 23:09:23 MDT

AVA Documents
Document Sharing Hub
9 S

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

JAPANESE INDUSTRIAL STANDARD
Hose Couplings and Hose Joints for Sprayer

J I S
B 9119-1989

1. Scope

This Japanese Industrial Standard specifies hose couplings and hose joints to be used for sprayers, in accordance with JIS B 9112 and JIS B 9113 (hereafter referred to as the "hose couplings and hose joints").

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

2. Definitions

For the purposes of this Standard, the following definitions apply:

- (1) hose coupling The metal fittings to connect hoses, having screw fastening connecting part.
- (2) hose joint The metal fittings to connect hoses only by inserting the hose in its end but this has no screw fastening connection part.

3. Classification and Name of Each Part of Combination Couplings

Hose couplings shall be classified into five classes for hose couplings and into three classes for hose joints according to the shape as given in Table.

Furthermore, the name of each part of the combination coupling shall be as given in Figure.

Applicable Standards:

JIS B 0202-Parallel Pipe Threads
JIS B 0401-System of Limits and Fits
JIS B 9112-Hand Sprayers
JIS B 9113-Power Sprayers
JIS H 5101-Brass Castings

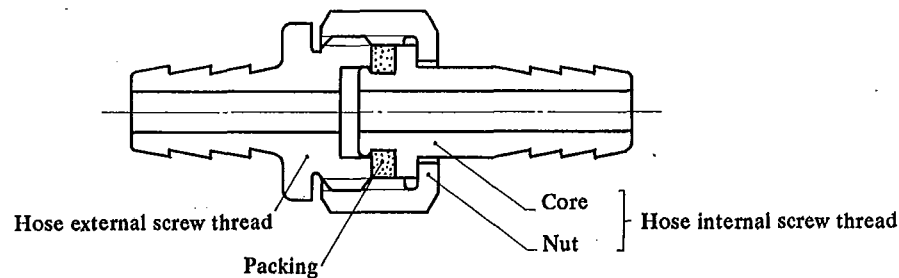
Reference Standards:

JIS H 3260-Copper and Copper Alloy Wires
JIS K 6337-Garden Hose
JIS K 6339-Spray Hoses for Agricultural Use
JIS K 6765-Polyethylene Sprayer Hoses

Table. Classification of Hose Couplings and Hose Joints

Division	Classification		Name of part	
Hose coupling	Combi- nation coupling	Exhaust	Hose internal screw thread core (Figure of Attached Table 1), nut (Figure of Attached Table 2)	—
			Hose external screw thread (Figure of Attached Table 3)	With packing rest Without packing rest
		Water suction		Hose internal screw thread core (Figure of Attached Table 4), nut (Figure of Attached Table 5)
			Hose external screw thread (Figure of Attached Table 6)	With packing rest Without packing rest
	T coupling	(Figure of Attached Table 7)		—
	Y coupling	With packing rest (Figure of Attached Table 7)		
		Without packing rest (Figure of Attached Table 7)		
	Hose joint	Rod joint (Figure of Attached Table 8)		
		T joint (Figure of Attached Table 8)		
		Y joint (Figure of Attached Table 8)		

Fig. 1. Name of Each Part of Combination Coupling

4. Shape and Dimension

The shape and dimensions of hose coupling and hose joint shall be in accordance with Attached Tables 1 to 3.

5. Material

The material shall be YBcC 3 specified in JIS H 5101 or those equal or superior to this in quality.

Further, the material of packing shall be oxiide or that equal or superior to this in quality.

6. Appearance

The appearance of hose coupling and hose joint shall be favorable in finishing and free from blow hole, fin and other defects.

7. Precision in Assembling

The precision in assembling of hose coupling and hose joint shall be favorable.

8. Pressure Resistance and Leakage

When hydraulic pressure of 3.5 MPa {35 kgf/cm²} is applied for 30 s, each part shall be free from water leakage and other defects. However, for combination coupling (water suction), the hydraulic water pressure shall be 0.35 MPa {3.5 kgf/cm²}.

9. Inspection

The inspection of hose coupling and hose joint shall be carried out on materials, form, size, appearance, assembling precision, pressure resistance and leakage and the results shall meet the specifications of 4. to 8.

10. Designation of Products

Each product of hose coupling and hose joint shall be designated in accordance with Standard number, class, nominal number and names of parts (in the case of combination coupling).

Example: JIS B 9119 combination coupling (water suction) 22 cores

11. Marking

Each package of products shall be marked with the following information:

- (1) Devision, class and nominal number
- (2) Manufacturer's name or its abbreviation
- (3) Name of parts (in the case of combination coupling)