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मानक

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IS 7834-6 (1987): injection moulded PVC socket fittings with solvent cement joints for water supplies, Part 6: Specific requirements for sockets [CED 50: Plastic Piping System]



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“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SPECIFICATION FOR INJECTION MOULDED PVC SOCKET FITTINGS WITH SOLVENT CEMENT JOINTS FOR WATER SUPPLIES

PART 6 SPECIFIC REQUIREMENTS FOR SOCKETS

(First Revision)

1. Scope — This standard (Part 6) lays down the requirements for manufacture, dimensions, tolerances and marking for sockets made of injections moulded PVC for water supplies.

2. Requirements

2.1 General — The general requirements for material, manufacture, methods of test, sampling and inspection shall conform to IS : 7834 (Part 1)-1987 'Specification for injection moulded PVC socket fittings with solvent cement joints for water supplies: Part 1 General requirements (first revision)'.

2.2 Manufacture

2.2.1 A typical illustration of socket is shown in Fig 1.

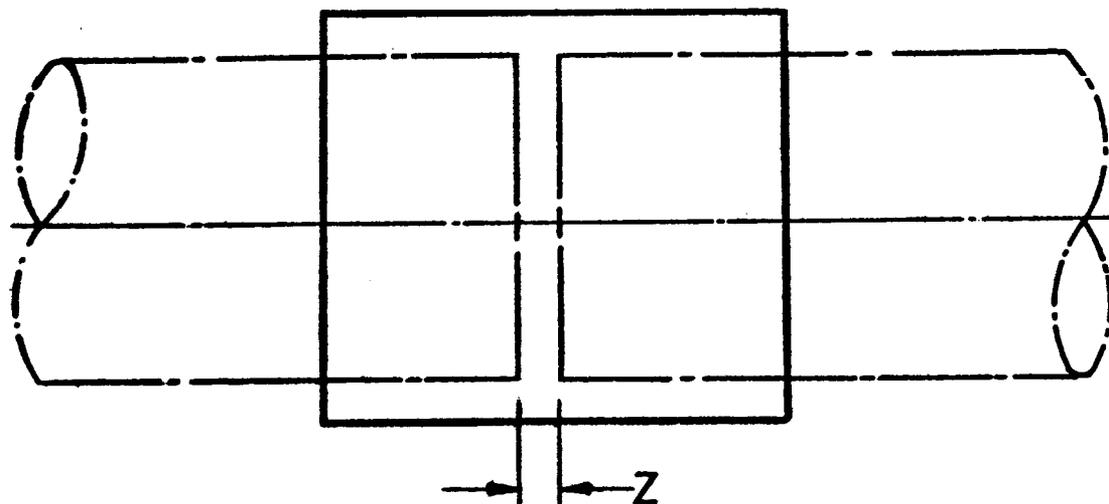


FIG. 1 SOCKET

2.2.2 Laying length — The laying length Z and the tolerances thereon shall comply with those given in Table 1 read with Fig. 1.

2.2.3 The inside diameter of the socket, the socket length and the tolerance thereon shall comply with those given in IS : 7834 (Part 1)-1987.

3. Marking - Each socket fitting shall be marked with the following information:

- a) Manufacturer's name or identification mark, and
- b) Size of the fitting and the appropriate class (working pressure) to which the pressure rating of the fitting corresponds.

3.1 Standard Mark — Details available with the Bureau of Indian Standards.

TABLE 1 DIMENSIONS FOR LAYING LENGTH OF SOCKET

(Clause 2.2.2 and Fig. 1)

Size mm	Socket Laying Length Z, mm
16	3 ± 1
20	3 ± 1
25	3 + 1.6 - 1
32	3 + 1.6 - 1
40	3 + 2 - 1
50	3 + 2 - 1
63	3 + 2 - 1
75	4 + 2 - 1
90	5 + 2 - 1
110	6 + 3 - 1
125	6 + 3 - 1
140	8 + 3 - 1
160	8 + 4 - 1
180	8 + 4 - 1
200	8 + 5 - 1
225	10 + 5 - 1
250	10 + 6 - 1
280	12 + 6 - 1
315	12 + 7 - 1

EXPLANATORY NOTE

The requirements of injection moulded PVC socket fittings are covered in eight parts. The other parts are as follows:

- Part 1 General requirements
- Part 2 Specific requirements for 45° elbows
- Part 3 Specific requirements for 90° elbows
- Part 4 Specific requirements for 90° tees
- Part 5 Specific requirements for 45° tees
- Part 7 Specific requirements for unions
- Part 8 Specific requirements for caps

This standard was first published in 1975 and covered sizes of fittings up to 160 mm. The present revision has been taken up to cover additional sizes of fittings up to 315 mm.