

X

इंटरनेट

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

"जानने का अधिकार, जीने का अधिकार" Mazdoor Kisan Shakti Sangathan "The Right to Information, The Right to Live"

 $\star \star \star \star \star \star \star$

"पुराने को छोड नये के तरफ" Jawaharlal Nehru "Step Out From the Old to the New"

IS 7834-4 (1987): injection moulded PVC socket fittings

with solvent cement joints for water supplies, Part 4: Specific requirements for 90 degree tees [CED 50: Plastic Piping System]

> "ज्ञान से एक नये भारत का निर्माण" Satyanarayan Gangaram Pitroda "Invent a New India Using Knowledge"

RIGHT TO INFORMATION "ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता Bhartrhari-Nītiśatakam "Knowledge is such a treasure which cannot be stolen"



मानक







611111111

Made Available By Public.Resource.Org

 $\star \star \star \star \star \star \star$



BLANK PAGE



PROTECTED BY COPYRIGHT

Indian Standard

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

PART 4 SPECIFIC REQUIREMENTS FOR 90° TEES

(First Revision)

1. Scope — This standard (Part 4) lays down the requirements for manufacture, dimension, tolerances and marking for 90° tee made of injection moulded PVC for water supplies.

2. Requirements

2.1 General — The general requirements for material, manufacture, methods of test, sampling and injection 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 tee is shown in Fig. 1.

7

Z

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

|---Z ----| FIG. 1 90° TEE

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

3. Marking — Each tee 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 Standard.



MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG

NEW DELHI 110002

Size 90° Tee Laying Length, Z mm16 9 ± 1 20 11 ± 1 25 $13 \cdot 5 + 1^{\circ} 2$ -1 32 $17 + 1 \cdot 6$ -1 40 $21 + 2$ -1 50 $26 + 2 \cdot 5$ -1 63 $32 \cdot 5 + 3 \cdot 2$ -1 90 $46 + 5$ -1 110 $56 + 6$ -1 125 $63 \cdot 5 + 6$ -1 140 $71 + 7$ -1 160 $81 + 8$ -1 180 $91 + 9$ -1 200 $101 + 9$ -1 250 $126 + 11$ -1 260 $141 + 12$ -1 155 $156 \cdot 5 + 13$ -1	(Clause 2.2.2, and rig. 1)	
20 11 ± 1 25 $13:5 + 1:2$ 32 $17 + 1:6$ -1 $17 + 1:6$ 40 $21 + 2$ 40 $21 + 2$ -1 -1 50 $26 + 25$ 63 $32:5 + 3:2$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $31 + 12$ 90 -1 90 $31 + 8$ 91 -1 920 $101 + 9$ -1 -1 920 $101 + 9$ -1 -1 920 $126 + 11$ -1 -1 <th></th> <th>Length, Z</th>		Length, Z
20 11 ± 1 25 $13:5 + 1:2$ 32 $17 + 1:6$ -1 $17 + 1:6$ 40 $21 + 2$ 40 $21 + 2$ -1 -1 50 $26 + 25$ 63 $32:5 + 3:2$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 -1 90 $31 + 12$ 90 -1 90 $31 + 8$ 91 -1 920 $101 + 9$ -1 -1 920 $101 + 9$ -1 -1 920 $126 + 11$ -1 -1 <td>16</td> <td>9 ± 1</td>	16	9 ± 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	25	
40 $21 + 2 - 1$ 50 $26 + 2 \cdot 5 - 1$ 63 $32 \cdot 5 + 3 \cdot 2 - 1$ 75 $38 \cdot 5 + 4$ 90 $46 + 5 - 1$ 110 $56 + 6 - 1$ 125 $63 \cdot 5 + 6 - 1$ 140 $71 + 7 - 1$ 160 $81 + 8 - 1$ 180 $91 + 9 - 1$ 200 $101 + 9 - 1$ 225 $114 + 10 - 1$ 250 $126 + 11 - 1$ 280 $141 + 12 - 1$ 315 $158 \cdot 5 + 13$	32	17 + 1 [.] 6
50 $26 + 2 \cdot 5 - 1$ 63 $32 \cdot 5 + 3 \cdot 2 - 1$ 75 $38 \cdot 5 + 4 - 1$ 90 $46 + 5 - 1$ 110 $56 + 6 - 1$ 125 $63 \cdot 5 + 6 - 1$ 140 $71 + 7 - 1$ 180 $91 + 9 - 1$ 200 $101 + 9 - 1$ 225 $114 + 10 - 1$ 250 $126 + 11 - 1$ 280 $141 + 12 - 1$ 315 $158 \cdot 5 + 13$	40	21 + 2
63 $32^{2}5 + 3^{2}2 - 1$ 75 $38^{2}5 + 4$ 90 $46 + 5$ -1 -1 90 $46 + 5$ -1 $56 + 6$ -1 $56 + 6$ -1 125 $63^{2}5 + 6$ -1 140 $71 + 7$ 140 $71 + 7$ 140 $91 + 9$ -1 $91 + 9$ -1 -1 200 $101 + 9$ -1 -1 250 $126 + 11$ -1 -1 280 $141 + 12$ -1 -1 315 $158^{-}5 + 13$		26 + 2 5
75 $38^{\circ}5 + 4$ 90 $46 + 5$ -1 $56 + 6$ -1 $56 + 6$ -1 125 $63^{\circ}5 + 6$ -1 140 $71 + 7$ 140 $71 + 7$ 160 $81 + 8$ -1 -1 180 $91 + 9$ -1 -1 200 $101 + 9$ -1 -1 250 $126 + 11$ -1 -1 280 $141 + 12$ -1 -1 315 $158 \cdot 5 + 13$	63	32.5 + 3.2
90 $46 + 5$ 110 $56 + 6$ 125 $63 \cdot 5 + 6$ 140 $71 + 7$ 140 $71 + 7$ 160 $81 + 8$ 91 + 9 -1 180 $91 + 9$ 200 $101 + 9$ -1 -1 280 $126 + 11$ -1 -1 280 $141 + 12$ -1 -1 315 $158 \cdot 5 + 13$	75	38.5 + 4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	90	46 + 5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	110	56 + 6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	125	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	140	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	160	81 + 8
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	180	
$ \begin{array}{cccc} - 1 \\ 250 \\ 126 + 11 \\ - 1 \\ 280 \\ 141 + 12 \\ - 1 \\ 315 \\ 158 \cdot 5 + 13 \\ \end{array} $	200	101 + 9 - 1
$ \begin{array}{c} -1 \\ 280 \\ 141 + 12 \\ -1 \\ 315 \\ 158 \cdot 5 + 13 \end{array} $	225	
- 1 315 158 ^{.5} + 13	250	
	280	
	315	

TABLE 1 DIMENSIONS FOR LAYING LENGTH OF 90° TEES

(Clause 2.2.2, and Fig. 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 5 Specific requirements for 45° tees
- Part 6 Specific requirements for sockets
- 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.

2