

*Indian Standard*

**SPECIFICATION FOR  
DIMENSIONAL REQUIREMENTS FOR RUBBER SEALING  
RINGS FOR C.I.D. JOINTS IN ASBESTOS  
CEMENT PIPING**

*( First Revision )*

**1. Scope** — Specifies the dimensional requirements for rubber sealing rings to be used with cast iron detachable joints conforming to IS : 8794 - 1978 'Specification for cast iron detachable joints for use with asbestos cement pressure pipes' for joining the asbestos cement pressure pipes conforming to IS : 1592-1980 'Specification for asbestos cement pressure pipes ( *second revision* )'.

**1.1** This standard covers the dimensions of rubber sealing rings having circular cross section only, up to 600 mm nominal diameter.

**2. General** — Unless otherwise stated requirements of rubber sealing rings as specified in IS : 5382-1985 'Rubber sealing rings for gas mains, water mains and sewers ( *first revision* )' shall be complied with.

**3. Type** — The rubber rings shall conform to type 3 of IS : 5382-1985.

**4. Dimensions and Tolerances**

**4.1** The inner diameters and cross sectional diameter of rubber rings for various sizes and classes of C.I.D. joints shall be in accordance with Table 1.

**4.2 Tolerances** — A tolerance of  $\pm 0.5$  mm shall be allowed on the cross sectional dia ' $\phi X$ ' and  $\pm 1$  percent on inner dia ' $\phi Y$ ' specified in Table 1.

**5. Sampling** — For the purpose of ascertaining conformity to this standard the scale of sampling and criteria for conformity shall be as prescribed in Appendix D of IS : 5382-1985.

**6. Packing** — The material shall be packed as agreed to between the purchaser and the manufacturer so as to protect it from undue exposure of light and heat and mechanical damages during transit and storage.

**7. Marking** — Wherever practicable and unless specified otherwise, each ring or packing or both shall be marked indelibly at a suitable position with the following information:

- a) the manufacturer's name or trade-mark,
- b) the pipe size and class,
- c) the month and year of manufacture, and
- d) any other mark required by the purchaser.

**7.1 Standard Marking** — Details available with the Bureau of Indian Standards, New Delhi.

**EXPLANATORY NOTE**

This standard has been prepared with a view to guide the industries with regard to dimensional requirements for rubber sealing rings for C.I.D. joints.

This standard has been revised to cover sizes up to 600 mm nominal diameter and additional classes 20 and 25.

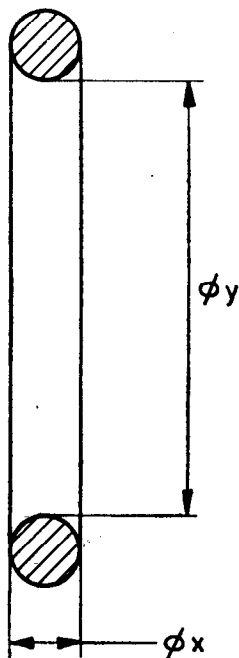
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TABLE 1 DIMENSIONS OF RUBBER SEALING RINGS

( Clauses 4.1 and 4.2 )



Nominal Dia of Pipe and Joint mm	Class	Inner Dia Y mm	Cross Sectional Dia X mm	Number Per Set
(1)	(2)	(3)	(4)	(5)
80	5, 10, 15, 20	90	14	2
	25	90	14	2
100	5, 10, 15, 20	109	14	2
	25	115	14	2
125	5, 10, 15, 20	131	14	2
	25	138	14	2
150	5, 10, 15, 20	155	14	2
	25	165	14	2
200	5, 10, 15, 20	201	14	2
	25	219	14	2
250	5, 10, 15, 20	246	14	2
	25	264	14	2
300	5, 10, 15, 20	293	14	2
	25	316	14	2
350	5, 10, 15, 20	345	16	2
	25	362	16	2
400	5, 10, 15, 20	392	16	2
	25	412	16	2
450	5, 10, 15, 20	438	18	2
	25	459	18	2
500	5, 10, 15, 20	487	20	2
	25	510	20	2
600	5, 10, 15, 20	585	20	2
	25	613	20	2

**Note** — Rubber sealing rings of nominal diameter more than 600 mm may also be manufactured. In such cases detailed dimensions and tolerances may be as mutually agreed between the manufacturer and the user.