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# INTERNATIONAL STANDARD



# 3460

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Unplasticized polyvinyl chloride (PVC) pressure pipes — Metric series — Dimensions of adapter for backing flange

*Tubes sous pression en polychlorure de vinyle (PVC) non plastifié — Série métrique — Dimensions du collet  
pour la bride libre*

First edition — 1975-12-15

**iTeh STANDARD PREVIEW**  
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**Descriptors** : plastic pipes, unplasticized polyvinyl chloride, pipe fittings, collars, dimensions, metric system.

Price based on 2 pages

**FOREWORD**

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3460 was drawn up by Technical Committee ISO/TC 138, *Plastics pipes and fittings for the transport of fluids*, and circulated to the Member Bodies in June 1974.

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It has been approved by the Member Bodies of the following countries :

[ISO 3460:1975](#)

Austria	Israel	Romania
Belgium	Italy	South Africa, Rep. of
Chile	Japan	Spain
Czechoslovakia	Mexico	Sweden
Denmark	Netherlands	Switzerland
Finland	New Zealand	Turkey
Germany	Norway	United Kingdom
India	Poland	U.S.A.
Ireland	Portugal	Yugoslavia

The Member Body of the following country expressed disapproval of the document on technical grounds :

France

# Unplasticized polyvinyl chloride (PVC) pressure pipes – Metric series – Dimensions of adapter for backing flange

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### 1 SCOPE

This International Standard lays down the main dimensions of adapters for solvent (cold) welding, and the inside diameters of the backing flange for unplasticized polyvinyl chloride (PVC) pressure pipes.

### 2 FIELD OF APPLICATION

This International Standard is applicable to pipe sizes from 16 to 160 mm (outside diameter) for the nominal pressure (PN) of 1 MPa (10 bar).

### 3 REFERENCES

ISO 727, *Unplasticized polyvinyl chloride (PVC) fittings with plain sockets for pipes under pressure – Dimensions of sockets – Metric series.*

ISO 2536, *Unplasticized polyvinyl chloride (PVC) pressure pipes and fittings – Metric series – Dimensions of flanges.*

### 4 DIMENSIONS

The dimensions given in the table ensure practical interchangeability. The measurements  $z$ ,  $z_1$ ,  $h$ ,  $h_1$  and  $d_2$  are indicated for guidance. Dimensions which are not specified are left to the discretion of the manufacturer.

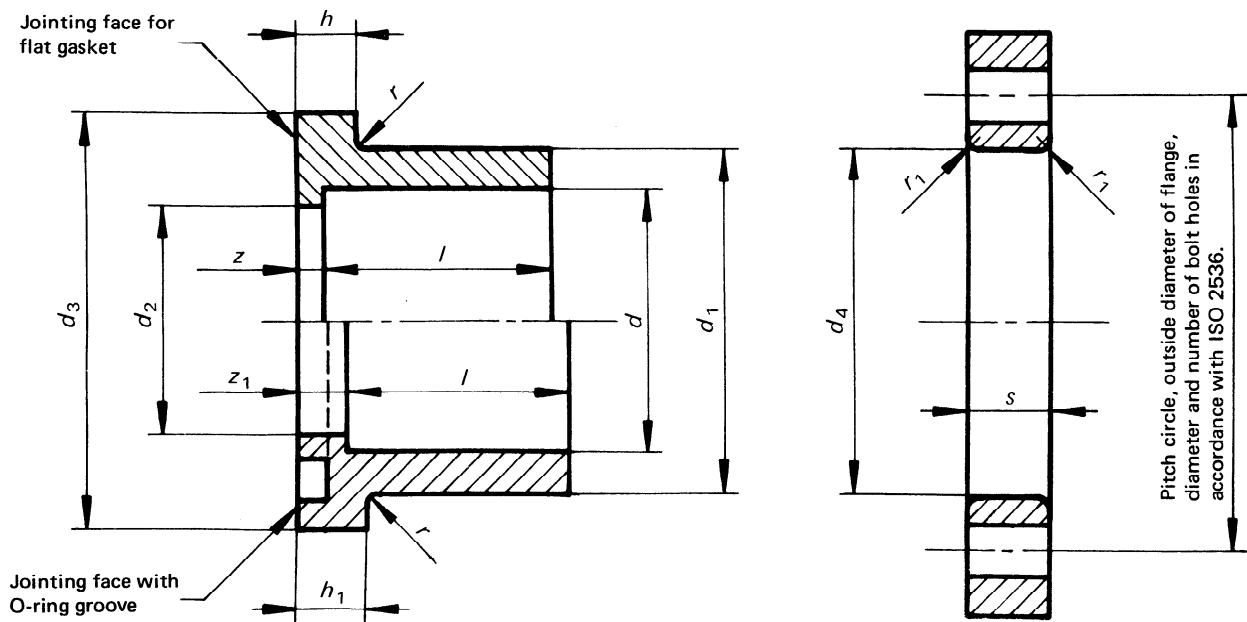


TABLE – Dimensions of adapter and backing flange for PN = 1 MPa (10 bar)

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Dimensions in millimetres

Inside diameter of socket $d^1$	Flange adapter									Backing flange		
	$d_1$	$d_2$	$d_3$	$l$	$z$	$z_1$	$h$	$h_1$	$r$	$d_4$	$r_1$ min.	$s$
16	$22 \pm 0,1$	13	29	14	1	6	3	9	6	$23 \begin{smallmatrix} 0 \\ -0,5 \end{smallmatrix}$	1	Depending on material
20	$27 \pm 0,15$	16	34	16	1	6	3	9	6	$28 \begin{smallmatrix} 0 \\ -0,5 \end{smallmatrix}$	1	
25	$33 \pm 0,15$	21	41	19	1,5	7	3	10	6	$34 \begin{smallmatrix} 0 \\ -0,5 \end{smallmatrix}$	1,5	
32	$41 \pm 0,2$	28	50	22	1,5	7	3	10	6	$42 \begin{smallmatrix} 0 \\ -0,5 \end{smallmatrix}$	1,5	
40	$50 \pm 0,2$	36	61	26	2	8	3	13	8	$51 \begin{smallmatrix} 0 \\ -0,5 \end{smallmatrix}$	2	
50	$61 \pm 0,2$	45	73	31	2	8	3	13	8	$62 \begin{smallmatrix} 0 \\ -0,5 \end{smallmatrix}$	2	
63	$76 \pm 0,3$	57	90	38	2,5	9	3	14	8	$78 \begin{smallmatrix} 0 \\ -1 \end{smallmatrix}$	2,5	
75	$90 \pm 0,3$	69	106	44	2,5	10	3	15	8	$92 \begin{smallmatrix} 0 \\ -1 \end{smallmatrix}$	2,5	
90	$108 \pm 0,3$	82	125	51	3	11	5	16	10	$110 \begin{smallmatrix} 0 \\ -1 \end{smallmatrix}$	3	
110	$131 \pm 0,3$	102	150	61	3	12	5	18	11	$133 \begin{smallmatrix} 0 \\ -1 \end{smallmatrix}$	3	
125	$148 \pm 0,4$	117	170	69	3	13	5	19	11	$150 \begin{smallmatrix} 0 \\ -1 \end{smallmatrix}$	3	
140	$165 \pm 0,4$	132	188	76	4	14	5	20	11	$167 \begin{smallmatrix} 0 \\ -1 \end{smallmatrix}$	4	
160	$188 \pm 0,4$	152	213	86	4	16	5	22	11	$190 \begin{smallmatrix} 0 \\ -1 \end{smallmatrix}$	4	

1) Tolerance in accordance with ISO 727.  
 2) Socket length in accordance with ISO 727.