

INTERNATIONAL STANDARD**2536**

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

Unplasticized polyvinyl chloride (PVC) pressure pipes and fittings, metric series — Dimensions of flanges

Tubes et raccords sous pression en polychlorure de vinyle (PVC) non plastifié, série métrique — Dimensions des brides

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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 2536 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 September 1971.

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

Australia	Ireland	Romania
Austria	Israel	South Africa, Rep. of
Belgium	Italy	Spain
Czechoslovakia	Japan	Sweden
Denmark	Netherlands	Switzerland
Egypt, Arab Rep. of	New Zealand	Turkey
Finland	Norway	U.S.S.R.
Germany	Poland	
India	Portugal	

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

France

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Unplasticized polyvinyl chloride (PVC) pressure pipes and fittings, metric series — Dimensions of flanges

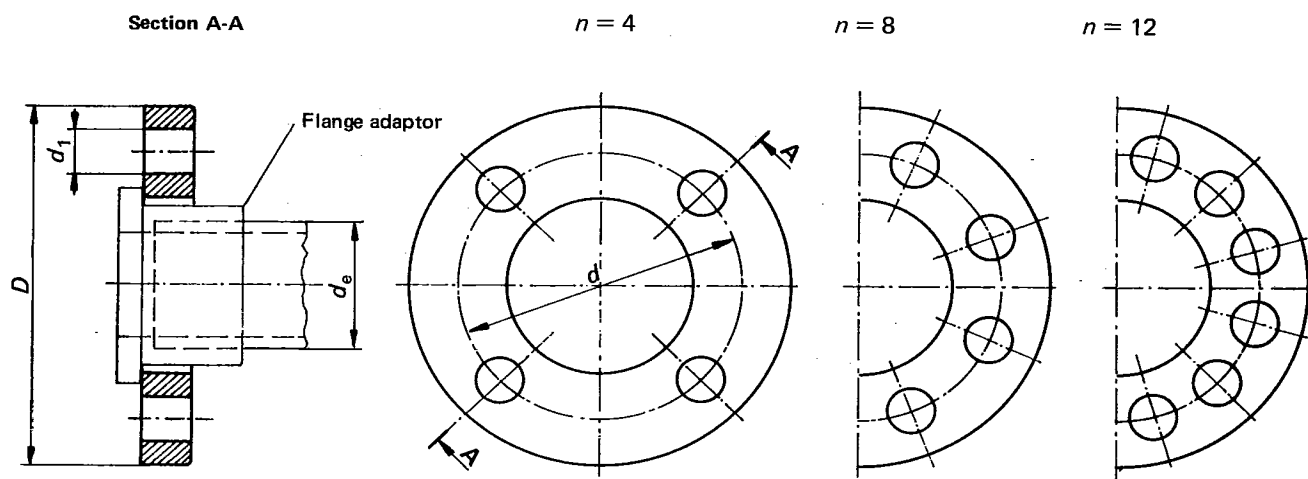
1 SCOPE

This International Standard specifies the principal dimensions of loose backing flanges for use with solvent-welded flange adaptors¹⁾ for polyvinyl chloride (PVC) metric series pressure pipes and fittings.

2 FIELD OF APPLICATION

This International Standard applies to flanges for pipe sizes from 16 to 315 mm outside diameter and for nominal pressures up to 1 MPa (= 10 bar).

3 SYMBOLS



d_e = outside diameter of pipe

D = outside diameter of flange

d = pitch circle diameter of bolt holes

d_1 = diameter of bolt holes

n = number of bolt holes

¹⁾ The bore dimensions of the loose backing flanges and of the adaptors will be the subject of a future International Standard.

4 PRINCIPAL DIMENSIONS

Dimensions in millimetres

Outside diameter of pipe d_e ¹⁾	Dimensions of flange ²⁾					
	D	d	d_1 ³⁾	n	Screw thread of bolt	DN ⁴⁾
16	90	60	14	4	M12	10
20	95	65	14	4	M12	15
25	105	75	14	4	M12	20
32	115	85	14	4	M12	25
40	140	100	18	4	M16	32
50	150	110	18	4	M16	40
63	165	125	18	4	M16	50
75	185	145	18	4	M16	65
90	200	160	18	(4) 8	M16	80
110	220	180	18	8	M16	100
125	250	210	18	8	M16	125
140	250	210	18	8	M16	125
160	285	240	22	8	M20	150
180	315	270	22	8	M20	175
200	315	270	22	8	M20	175
225	340	295	22	8	M20	200
250	370	325	22	8	M20	225
280	395	350	22	12	M20	250
315	445	400	22	12	M20	300

1) In accordance with ISO/R 161, *Pipes of plastics materials for the transport of fluids (Outside diameters and nominal pressures) – Part 1: Metric series.*

2) Outside diameters, pitch circle diameters and bolt holes are in accordance with ISO/R 2084, *Pipeline flanges for general use – Mating dimensions.*

3) In accordance with ISO/R 273, *Clearance holes for metric bolts.*

4) This refers to the nominal diameters (DN) of pipes given in ISO/R 2084.