
INTERNATIONAL STANDARD



3663

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

**Polyethylene (PE) pressure pipes and fittings, metric series —
Dimensions of flanges**

*Tubes et raccords sous pression en polyéthylène (PE), série métrique — Dimensions de raccordement
des brides*

First edition — 1976-11-01

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UDC 621.643.29 : 678.742.2

Ref. No. ISO 3663-1976 (E)

Descriptors : piping, pressure pipes, plastic tubes, pipe fittings, polyethylene, pipe flanges, specifications, connecting dimensions.

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 3663 was drawn up by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, and was circulated to the Member Bodies in April 1975.

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

Austria	Ireland	Spain
Belgium	Mexico	Sweden
Denmark	Netherlands	Switzerland
Finland	New Zealand	Turkey
France	Norway	U.S.A.
Germany	Romania	Yugoslavia
India	South Africa, Rep. of	

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

Canada

Polyethylene (PE) pressure pipes and fittings, metric series — Dimensions of flanges

1 SCOPE

This International Standard specifies the principal dimensions of loose backing flanges for butt or socket fusion-welded flange adaptors¹⁾ and clamping flange with insert ring for polyethylene (PE), metric series, pressure pipes and fittings.

2 FIELD OF APPLICATION

This International Standard applies to flanges for poly-

ethylene (PE) pipe sizes from 16 to 315 mm outside diameter and for nominal pressures (PN) up to 1 MPa (10 bar).

3 REFERENCES

ISO 161/1, *Thermoplastics pipes for the transport of fluids — Nominal outside diameters and nominal pressures — Part 1: Metric series.*

ISO/R 273, *Clearance holes for metric bolts.*

ISO 2084, *Pipeline flanges for general use — Metric series — Mating dimensions.*

1) The bore dimensions of the loose backing flanges and of the butt or socket fusion-welded flange adaptors will form the subject of a future International Standard.