

INTERNATIONAL
STANDARD

ISO
6708

Second edition
1995-07-01

**Pipework components — Definition and
selection of DN (nominal size)**

*Composants de réseau de tuyauteries — Définition et sélection des DN
(diamètre nominal)*



Reference number
ISO 6708:1995(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 6708 was prepared by Technical Committee ISO/TC 5, *Ferrous metal pipes and metallic fittings*, Subcommittee SC 10, *Metallic flanges and their joints*.

This second edition cancels and replaces the first edition (ISO 6708:1980), which has been technically revised and enlarged by the inclusion of clause 3.

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Pipework components — Definition and selection of DN (nominal size)

1 Scope

This International Standard gives the definition of DN (nominal size) when applied to components of a pipework system, as specified in those standards which use the DN designation system.

NOTE 1 Other methods of size designation are also used, e.g. products having threaded, compression, solder or welded end connections or products designated by NPS (nominal pipe size), OD (outside diameter), ID (inside diameter), but these are not defined in this International Standard.

This International Standard gives a list of preferred DN values.

2 Definition

2.1 DN: An alphanumeric designation of size for components of a pipework system, which is used for reference purposes. It comprises the letters DN followed by a dimensionless whole number which is indirectly related to the physical size, in millimetres, of the bore or outside diameter of the end connections.

NOTES

2 The number following the letters DN does not represent a measurable value and should not be used for calculation purposes except where specified in the relevant standard.

3 In those standards which use the DN designation system, any relationship between DN and component dimensions should be given, e.g. DN/OD or DN/ID.

3 DN Series

The preferred DN values are as follows:

DN 10	DN 250	DN 1 500
DN 15	DN 300	DN 1 600
DN 20	DN 350	DN 1 800
DN 25	DN 400	DN 2 000
DN 32	DN 450	DN 2 200
DN 40	DN 500	DN 2 400
DN 50	DN 600	DN 2 600
DN 60	DN 700	DN 2 800
DN 65	DN 800	DN 3 000
DN 80	DN 900	DN 3 200
DN 100	DN 1 000	DN 3 400
DN 125	DN 1 100	DN 3 600
DN 150	DN 1 200	DN 3 800
DN 200	DN 1 400	DN 4 000

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Descriptors: piping, components, diameters, size designation, numerical designations, definitions, selection.

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