

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 559

STEEL PIPES FOR GAS, WATER
AND SEWAGE, WELDED OR SEAMLESS

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BRIEF HISTORY

The ISO Recommendation R 559, *Steel Pipes for Gas, Water and Sewage, Welded or Seamless*, was drawn up by Technical Committee ISO/TC 5, *Pipes and Fittings*, the Secretariat of which is held by the Association Suisse de Normalisation (SNV).

Work on this question by the Technical Committee began in 1958 and led, in 1963, to the adoption of a Draft ISO Recommendation.

In April 1965, this Draft ISO Recommendation (No. 788) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies:

Argentina	France	Portugal
Belgium	Germany	Spain
Brazil	India	Sweden
Canada	Israel	Switzerland
Chile	Italy	Turkey
Czechoslovakia	Norway	U.A.R.

Five Member Bodies opposed the approval of the Draft:

Denmark
Hungary
Japan
United Kingdom
U.S.S.R.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in March 1967, to accept it as an ISO RECOMMENDATION.

STEEL PIPES FOR GAS, WATER AND SEWAGE, WELDED OR SEAMLESS

1. SCOPE

This ISO Recommendation applies to steel pipes used for gas, water and sewage.

It does not apply

- to pipes used in buildings, nor to screwed steel pipes,
- to pipes for the transport of petroleum and natural gas which are within the scope of Technical Committee ISO/TC 67, *Materials and equipment for the petroleum industry*.

2. DIMENSIONS AND MASSES PER UNIT LENGTH

The dimensions in millimetres and in inches given in the Table are considered to be "corresponding values", although some of them are not exact equivalents. In all cases, however, these dimensions ensure practical interchangeability.

3. TOLERANCES

National standards organizations should specify the tolerances on outside diameters, thicknesses and masses, in accordance with the specifications in force in their countries.

4. LENGTHS

The lengths of pipes for delivery should be

- (a) 13 to 26 ft (corresponding values 4 to 8 m),
- (b) 23 to 52 ft (corresponding values 7 to 16 m).

NOTE. — It is permissible to supply 10% of short pipes not less than 10 ft (corresponding value 3 m) long; 5% of a total consignment may be jointers.

5. HYDRAULIC TEST PRESSURE

50 bars * (corresponding value 700 lbf/in²) under the condition, however, that the stress is not greater than 80% of the elastic limit of the grade of steel.

6. FINISH

National standards organizations should lay down the technical specifications for finishing of pipe ends and coating, in accordance with the regulations in force in their countries.

* 1 bar = 1,02 kgf/cm².