

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION R 1307

RUBBER HOSE

BORE SIZES, TEST PRESSURES  
AND TOLERANCES ON LENGTH

1st EDITION

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## BRIEF HISTORY

The ISO Recommendation R 1307, *Rubber hose – Bore sizes, test pressures and tolerances on length*, was drawn up by Technical Committee ISO/TC 45, *Rubber*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1307, which was circulated to all the ISO Member Bodies for enquiry in March 1968. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	India	Sweden
Austria	Iran	Switzerland
Belgium	Ireland	Turkey
Brazil	Israel	U.A.R.
Canada	Italy	United Kingdom
Czechoslovakia	Japan	U.S.A.
France	Netherlands	U.S.S.R.
Germany	Poland	
Hungary	Spain	

The following Member Body opposed the approval of the Draft :

New Zealand

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

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**1. SCOPE**

This ISO Recommendation lays down requirements for rubber hose to serve as a guide in preparing ISO Recommendations and national standards.

When such Recommendations or standards are being prepared the diameters and pressures indicated in this ISO Recommendation should be adopted wherever possible. The tolerances on bore and length are maxima and should be reduced according to technical requirements.

**2. BORE**

The bore of rubber hose should be in accordance with the requirements of Table 1.

**TABLE 1 - Bore sizes of rubber hose**

Dimensions in millimetres

Bore	Tolerance	Bore	Tolerance
3.2	± 0.5	40	± 1.50
4	± 0.5	50	± 1.50
5	± 0.5	63	± 1.50
6.3	± 0.75	80	± 2.00
8	± 0.75	100	± 2.00
10	± 0.75	125	± 2.00
12.5	± 0.75	160	± 2.00
16	± 0.75	200	± 2.00
20	± 0.75	250	± 3.00
25	± 1.25	315	± 3.00
31.5	± 1.25		

For larger bore sizes multiply one of the above bore sizes by 10. Select appropriate tolerances for larger bore sizes from the R 20 series of preferred numbers.