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# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION R 153

SHIPBUILDING DETAILS  
ORDINARY GLASSES FOR SCUTTLES AND LIGHTS  
DIMENSIONS

1st EDITION  
March 1960

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## BRIEF HISTORY

The ISO Recommendation R 153, *Ordinary Glasses for Scuttles and Lights — Dimensions*, was drawn up by Technical Committee ISO/TC 8, *Shipbuilding Details*, the Secretariat of which is held by the Stichting Nederlands Normalisatie-instituut (NNI).

At its first meeting, held in Paris, in June 1949, the Technical Committee ISO/TC 8, unanimously decided to adopt as a basis for discussion the ISA Bulletin 17, item 1, published in 1938 by the former International Federation of the National Standardizing Associations (ISA). This ISA Bulletin was for the greater part accepted as to nominal diameters, effective diameters and tolerances for glasses. The number of thicknesses of glasses was extended by certain values.

As a result of the discussions at the first meeting of the Technical Committee ISO/TC 8, held in Paris, in June 1949 and at the third meeting, held in Genoa, in November 1956, four draft proposals were set up, of which the last one dated July 1958, was unanimously accepted by the Technical Committee.

The same ISA Bulletin 17, item 1, was originally discussed at the first meeting of the former Technical Committee TC 9, *Inland Navigation*, held in Paris, in June 1949, where it was decided to follow the proceedings of ISO/TC 8 with regard to this subject.

The last proposal of ISO/TC 8, in July 1958, received full agreement of all members of ISO/TC 9 and was adopted as a Draft ISO Recommendation.

On 4 December 1958, the Draft ISO Recommendation (No. 262) was distributed to all the ISO Member Bodies and was approved, subject to some amendments, by the following Member Bodies:

Australia	Finland	Spain
Austria	France	Sweden
Belgium	Israel	Turkey
Bulgaria	Italy	United Kingdom
Burma	Japan	U.S.A.
Czechoslovakia	Netherlands	U.S.S.R.
Denmark	Pakistan	

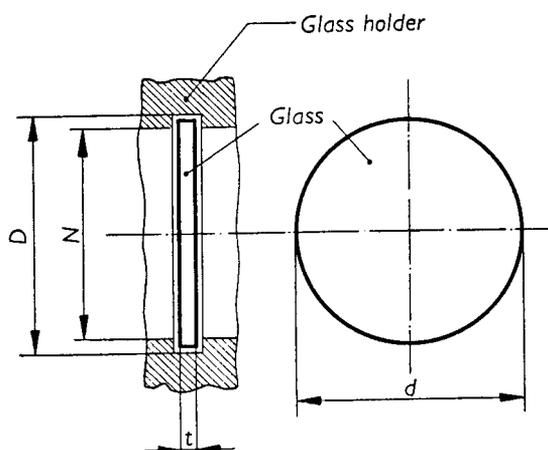
No Member Body opposed the approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in March 1960, to accept it as an ISO RECOMMENDATION.

## SHIPBUILDING DETAILS

## ORDINARY GLASSES FOR SCUTTLES AND LIGHTS

## DIMENSIONS



$N$  = Nominal (clear) diameter of scuttle  
(or fixed) glass

$d$  = Diameter of glass

$t$  = Nominal thickness of glass

$D$  = Diameter of glass recess

Note. The glass shall be substantially flat and parallel faced.

TABLE 1

Diameters of glasses and of their recesses

Nominal Diameter of scuttle or of fixed glass $N$		Diameter of glass $d$				Diameter of recess $D$	
		maximum		minimum			
mm	in	mm	in	mm	in	mm	in
100	4	108	4 $\frac{1}{4}$	106	4 $\frac{3}{16}$	109	4 $\frac{5}{16}$
125	5	135	5 $\frac{5}{16}$	133	5 $\frac{1}{4}$	136	5 $\frac{3}{8}$
150	6	165	6 $\frac{1}{2}$	162	6 $\frac{3}{8}$	168	6 $\frac{5}{8}$
175	7	190	7 $\frac{1}{2}$	187	7 $\frac{3}{8}$	192	7 $\frac{9}{16}$
200	8	215	8 $\frac{1}{2}$	212	8 $\frac{3}{8}$	219	8 $\frac{5}{8}$
250	10	265	10 $\frac{7}{16}$	262	10 $\frac{5}{16}$	270	10 $\frac{5}{8}$
300	12	318	12 $\frac{1}{2}$	314	12 $\frac{3}{8}$	321	12 $\frac{5}{8}$
350	14	368	14 $\frac{1}{2}$	364	14 $\frac{5}{16}$	372	14 $\frac{5}{8}$
400	16	419	16 $\frac{1}{2}$	414	16 $\frac{5}{16}$	422	16 $\frac{5}{8}$
450	18	470	18 $\frac{1}{2}$	465	18 $\frac{5}{16}$	473	18 $\frac{5}{8}$