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ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 19

SHIPBUILDING DETAILS FOR SEA NAVIGATION
DECKBOLTS

1st EDITION
October 1956

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BRIEF HISTORY

The ISO Recommendation R 19, *Deckbolts*, was drawn up by the Technical Committee ISO /TC 8, *Shipbuilding Details for Sea Navigation*, the Secretariat of which is held by the Hoofddcommissie voor de Normalisatie in Nederland (H. C. N. N.).

The Technical Committee, at its first meeting, held in Paris in June 1949, unanimously decided to adopt as a basis of discussion the ISA Bulletin 17, item 3, published in 1938 by the former International Federation of the National Standardizing Associations (ISA), and also the French Standard J 35-220, published in 1947. It was agreed to add to the nominal diameters of the ISA Bulletin 17 the 14 mm diameter specified in the French Standard. It was also decided to reduce to a minimum the lengths of the bolts so as to allow the decks to wear out as much as possible before the deck plugs, fixed above the bolts, come out or wear away.

The following Member Bodies took part in the meeting:

Belgium	Italy	Poland
Denmark (as observer)	Netherlands	Portugal
France	New Zealand	Sweden
	Norway	U. S. S. R.

The Draft Proposal drawn up on that basis by the ISO /TC 8 Secretariat after the meeting was submitted by correspondence to the Members of the Technical Committee and was adopted as a Draft ISO Recommendation, no objection having been raised.

The Draft ISO Recommendation was submitted in February 1956 to all the ISO Member Bodies and approved, subject to certain editorial amendments, by the following 26 (out of a total of 34) Member Bodies:

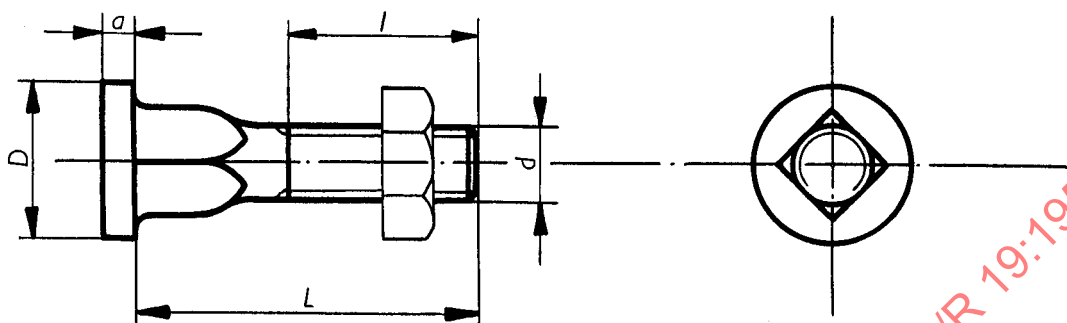
Belgium	Ireland	Spain
Canada	Italy	Sweden
Chile	Japan	* Switzerland
Denmark	Mexico	Union of South Africa
Finland	Netherlands	United Kingdom
France	New Zealand	* U. S. A.
Germany	* Pakistan	* U. S. S. R.
* Hungary	Portugal	Yugoslavia
India	Romania	

No Member Body opposed approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council which decided, in June 1956, to accept it as an ISO RECOMMENDATION.

* These Member Bodies stated that they had no objection to the Draft being approved.

SHIPBUILDING DETAILS FOR SEA NAVIGATION DECKBOLTS



d = external diameter of screw thread = nominal diameter of deckbolt

D = diameter of head

a = height of head

l = useful length of thread

L = length of shaft

d		Dimensions	D	a	l	L											
mm	in																
10	$\frac{3}{8}$	milli- metres	20	4	25	35	40	45	50	55	60	65	70	75	80		
12	$\frac{1}{2}$		25	5	28		40	45	50	55	60	65	70	75	80	90	100
14	$\frac{9}{16}$		28	6	30					55	60	65	70	75	80	90	100
16	$\frac{5}{8}$		30	7	32						60	65	70	75	80	90	100
10	$\frac{3}{8}$	inches	$\frac{13}{16}$	$\frac{5}{32}$	1	$1\frac{1}{8}$	$1\frac{9}{16}$	$1\frac{3}{4}$	2	$2\frac{1}{8}$	$2\frac{3}{8}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{8}$		
12	$\frac{1}{2}$		1	$\frac{3}{16}$	$1\frac{1}{8}$		$1\frac{9}{16}$	$1\frac{3}{4}$	2	$2\frac{1}{8}$	$2\frac{3}{8}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{8}$	$3\frac{1}{2}$	4
14	$\frac{9}{16}$		$1\frac{1}{8}$	$\frac{1}{4}$	$1\frac{3}{8}$					$2\frac{1}{8}$	$2\frac{3}{8}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{8}$	$3\frac{1}{2}$	4
16	$\frac{5}{8}$		$1\frac{3}{8}$	$\frac{9}{32}$	$1\frac{1}{4}$						$2\frac{3}{8}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{8}$	$3\frac{1}{2}$	4

NOTES

- The dimensions in inches are considered as the equivalents of the corresponding dimensions in millimetres.
- Deckbolts are designated by their nominal diameter expressed either in millimetres or in inches.
Examples: 10 mm deckbolt or $\frac{3}{8}$ inch deckbolt.
- Deckbolts should be protected against corrosion by galvanizing or by some other equivalent process.

