

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 40

SHIPBUILDING DETAILS FOR SEA NAVIGATION AND INLAND NAVIGATION (standards.iten.ai) ANCHOR CHAINS

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1st EDITION

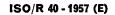
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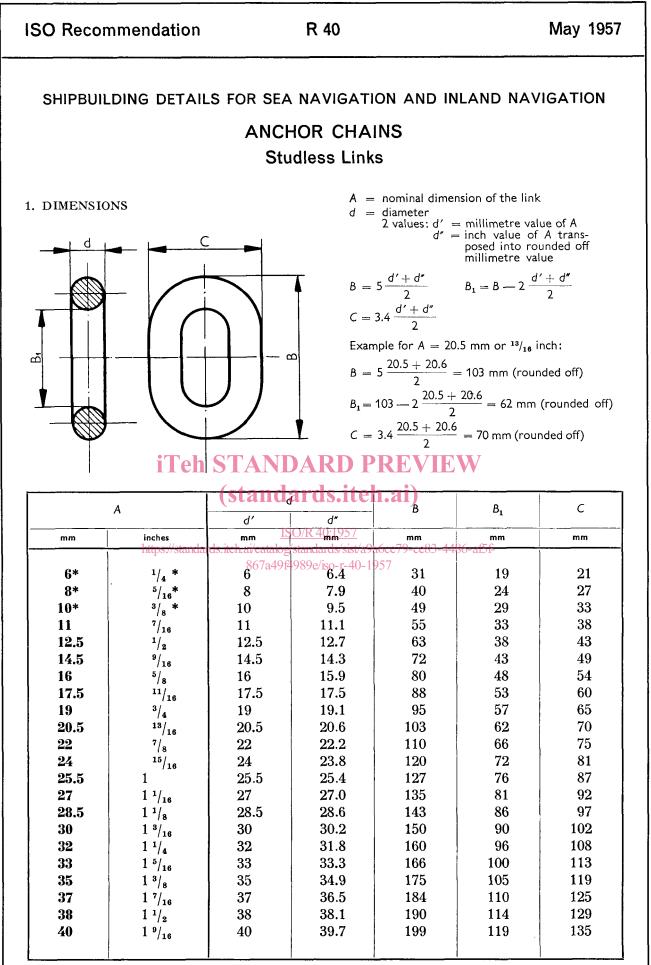
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Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.





* These dimensions for inland navigation only.

NOTE. — Allowable manufacturing tolerance for the dimensions B, B_1 and C is ± 2 per cent.

2. TESTS

A = d	Minimum breaking load in tonnes, calculated for 24 kgf/mm²*	Minimum proof load in tonnes, calculated for 12 kgf/mm²*
6**	1.4	0.7
8**	2.4	1.2
10**	3.8	1.9
11	4.6	2.3
12.5	5.9	2.9
14.5	7.9	4.0
16	9.7	4.8
17.5	11.6	5.8
19	13.6	6.8
20.5	15.8	7.9
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33	41.1	20.5
35	46.2	23.1
37	51.6	25.8
38	54.4	27.2
40	60.3	30.2

* The minimum loads have been calculated by multiplying the double cross-section of the material of the link by 24 kgf/mm⁴ and 12 kgf/mm⁴ respectively. The table shows the minimum strengths that should be attained whatever material is used.

** These dimensions for inland navigation only.

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BRIEF HISTORY

The ISO Recommendation R 40, Anchor Chains: Studless Links, was drawn up by the Technical Committees ISO/TC 8, Shipbuilding Details for Sea Navigation, and ISO/TC 9, Shipbuilding Details for Inland Navigation. The Secretariats of both Committees are held by the Hoofdcommissie voor de Normalisatie in Nederland (H.C.N.N.).

At their initial meetings, held in Paris, June 1949, Technical Committees ISO/TC 8 and ISO/TC 9 unanimously decided to adopt the proposals which had been drawn up by the former International Federation of the National Standardizing Associations (ISA). Only one slight amendment from Poland had been inserted (mention of the breaking and proof loads in tenths of tonnes).

The following Member Bodies took part in the meeting of Technical Committee ISO/TC 8:

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

The following Member Bodies took part in the meeting of Technical Committee ISO/TC 9:

> Belgium France STANNetherlands PRFVIE.S.S.R. Italy (standartugal.iteh.ai)

The draft proposal drawn up <u>lon/that basis</u> by the ISO/TC 8 Secretariat after the meeting_{st}was submitted by a correspondence to the members of the two Technical Committees and adopted as (a Draft ISO Recommendation, no objection having been raised.

The Draft ISO Recommendation was submitted in October 1953 to all the ISO Member Bodies and approved, subject to certain editorial amendments, by the following 22 (out of a total of 36) Member Bodies:

Bulgaria	*Greece	Netherlands	*Switzerland
Canada	*Hungary	New Zealand	Union of South Africa
Chile	India	*Pakistan	*U.S.A.
Denmark	Italy	Portugal	Yugoslavia
France	Japan	Spain	
Germany	Mexico	Sweden	

The U.S.S.R. opposed approval of the Draft, giving preference to its own standard GOST 228-52.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in May 1957, to accept it as an ISO RECOM-MENDATION.

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

PRICE Sw. Fr. P.P. X. Fr. S.

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Date of the first edition: May 1957.

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