

INTERNATIONAL STANDARD

ISO
24059

First edition
2021-10

Ships and marine technology — Anchor chain releasers

*Navires et technologie maritime — Systèmes de détente pour chaînes
d'ancre*



Reference number
ISO 24059:2021(E)
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Published in Switzerland

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 4, *Outfitting and deck machinery*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Ships and marine technology — Anchor chain releasers

1 Scope

This document provides a classification of anchor chain releasers and a description of their structure. It also specifies their basic dimensions, requirements and test methods, and their marking and surface signs.

It is applicable to the design, production and acceptance of anchor chain releasers.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

ISO 3828, *Shipbuilding and marine structures — Deck machinery — Vocabulary and symbols*

ISO 8501-1, *Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 3828 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Classification, structures and main dimensions

4.1 Classification

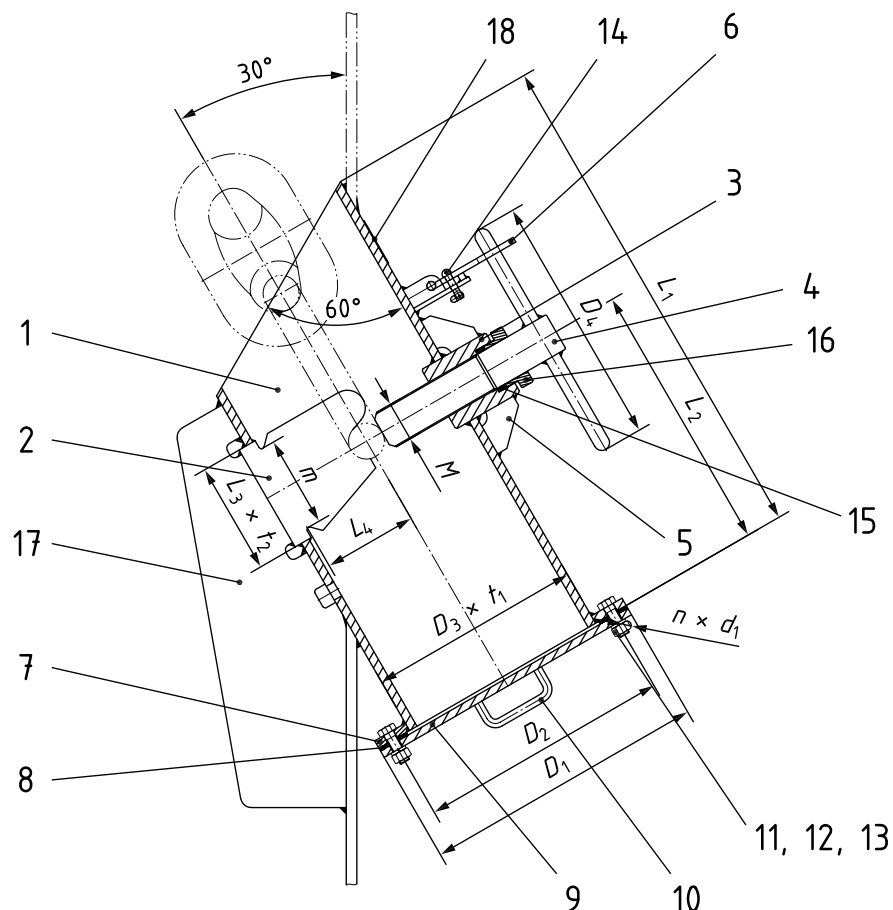
Anchor chain releasers are classified into the types shown in [Table 1](#), based on their structure and application.

Table 1 — Types and parameters of anchor chain releasers

No.	Classification	Type code	Nominal size mm	Application
1	Tongue anchor chain releaser	A	36 to 152	Grade 3 anchor chains of the sizes specified in ISO 1704
2	Plug type anchor chain releaser	B	50 to 120	
3	Plug type anchor chain releaser	C	50 to 120	

4.2 Structure and main dimensions

4.2.1 The structure and main dimensions of Type A anchor chain releasers are shown in [Figure 1](#) and [Table 2](#).



Key

1	trunk	5	reinforced stiffener	9	cover	13	spring washer	16	securing nut
2	chain hook	6	securing buckle	10	handle	14	tongued pin	17	reinforced bracket
3	liner	7	flange	11	hexagon bolt	15	packing	18	instructions plate
4	threaded shaft	8	gasket	12	hexagon nut				

Figure 1 — Structure of Type A anchor chain releasers

Table 2 — Main dimensions of Type A anchor chain releasers

Dimensions in millimetres

Chain diameter	L_1	L_2	$L_3 \times t_2$	L_4	D_1	D_2	$D_3 \times t_1$	D_4	M	m	$n \times d_1$	Theoretic mass kg
36 to 46	735	342	150×36	119	375	325	273×13	360	$\text{Tr}60 \times 4$	110	$12 \times \varnothing 18$	79
48 to 56	835	378	174×50	131	440	390	325×14	410	$\text{Tr}70 \times 4$	134	$12 \times \varnothing 22$	114
58 to 68	995	455	212×55	177	540	480	406×16	460	$\text{Tr}75 \times 4$	172	$16 \times \varnothing 22$	188