

ICS 53.040.99

CCS R 46



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 33079-2025

Replacing GB/T 33079-2016

**Continuous shiploader for bulk materials - Type and basic
parameters**

散状物料连续装船机 型式和基本参数

Issued on: October 5, 2025

Implemented on: May 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document supersedes GB/T 33079-2016 "Types and Basic Parameters of Continuous Loaders for Bulk Materials", and is consistent with GB/T 33079-2016. In comparison, aside from structural adjustments and editorial changes, the main technical changes are as follows:

---The classification of stationary ship loader main engine types has been revised (see 4.2, 2.1 of the.2016 version);

---The relevant content regarding boom-returning ship loaders has been modified (see 4.3.3,

2.2.2 in the.2016 version);

---The relevant content regarding the swing-type ship loader has been revised (see 4.4, 2.4 in the.2016 version);

---Added typical mechanism types (see Chapter 5);

---The track gauge information has been changed (see 6.3, version

---Changes have been made to the content related to the belt conveyor bandwidth (see 6.4, 3.4 in the.2016 version);

---Changes have been made to the content related to belt speed of belt conveyors (see 6.5, 3.5 in the.2016 version);

1 Scope

GB/T 33079-2025 is the Chinese national standard covering the continuous shiploader - the types by boom and feeding arrangement, the rated capacity and the reach and travel that must cover the hatches of the design vessel, the dust control, and the parameter series a port specifies from. Issued on 5 October 2025, it has been in force since 1 May 2026, replacing GB/T 33079-2016.

This document specifies the types and basic parameters of continuous ship loaders for bulk materials. This document applies to stationary, mobile, and swing-type bulk material loaders. Other types of bulk material loaders should refer to this document for guidance.

2 Normative references

This document has no normative references.

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4 Ship Loader Type

4.1 Overview Bulk material continuous ship loaders (hereinafter referred to as "ship loaders") are generally classified into fixed, mobile, and swing types according to different ship loading operation methods. There are three types of dynamic motion, see Appendix A.

4.2 Fixed ship loader The base of a fixed ship loader is fixed to the pier or pontoon. It operates by maneuvering the boom through pitching, rotating, and extending, as well as by moving the ship. It can automatically complete the loading operation and is suitable for small inland river wharves or pier-type wharves in open coastal waters, as shown in Figure

1. Index number explanation. 1

---Telescopic boom; 3

---Fixed boom; 4

---Boom belt conveyor; 5

---Telescopic mechanism; 6

---Driver's cab; 7

---The last car; 8

---Pitch mechanism; 9

--- counterweight; 10

---Slewing Frame; 11

---Slewing mechanism; 12

---Ship loader base; 13

---Dock structure. Figure