

ICS 47.020.50

CCS U 34



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

GB/T 46160-2025

**General technical specifications for subsea plough operation
system**

水下挖沟犁作业系统通用技术要求

Issued on: August 29, 2025

Implemented on: March 1, 2026

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

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed and coordinated by the National Technical Committee for Standardization of Submersibles (SAC/TC306).

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General technical requirements for underwater trenching plow operation systems

1 Scope

This document specifies the functions and components, technical requirements, test methods, Inspection rules, marking, packaging, transportation and storage.

This document applies to the manufacture and inspection of underwater trenching ploughs.

2 Normative references

GB/T 191

GB/T 4208

GB/T 10250

GB 11291.1

GB/T 11605
GB/T 21412.1
GB/T 21412.8
GB 27881
GB/T 32065.2
GB/T 32065.4
GB/T 32065.10
GB/T 32065.14
GB/T 32065.15
GB/T 36896.1

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 underwater trenching plow subseaplough

A plough-type device for underwater trenching operations that utilizes a mother vessel to provide towing power and control.

3.2 Cableway unit productpath

A structural unit on the underwater trenching plow body used to guide buried objects such as cables and pipes.

About this edition

GB/T 46160-2025 is the current edition. It was issued on 29 August 2025 and has been in force since 1 March 2026.

The interval between issue and effect is the transition period. It exists so that producers, laboratories and buyers can requalify products, revise procedures and use up documentation before the new text becomes the one that applies. The date on this page is the official one from the record of the Standardization Administration.

Classification and status

GB/T 46160-2025 is classified under ICS 47.020.50. ICS is the International Classification for Standards, the same scheme used by ISO and by the national bodies of most countries, which is what allows a Chinese standard to be placed beside its foreign counterparts on

subject rather than on number.

Its Chinese Standard Classification code is CCS U 34. CCS is the domestic scheme, a letter for the sector and two digits for the subject within it, and it is the code by which the standard is filed and searched in China.

The GB/T prefix marks a recommended national standard. It is not, in itself, law: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it. In practice that covers most of the cases in which it will be read - a purchase specification, an inspection agreement or a certification scheme.

How a Chinese national standard is set out

Chinese national standards are drafted to the rules of GB/T 1.1, which fixes the order in which a standard is set out. The document opens with a foreword recording the issuing bodies, the relationship to any previous edition and the technical committee responsible for it. Clause 1 is the scope. Clause 2 lists the normative references - the other standards that have to be applied together with this one, and without which its requirements cannot be met. Clause 3 gives the terms and definitions. The technical clauses follow: the requirements themselves, the test or measurement methods by which conformity is established, the inspection rules that say how a lot is sampled and judged, and, for a product standard, the provisions on marking, packaging, transport and storage. Annexes, normative or informative, come last.

GB/T 46160-2025 runs to 15 pages in the English translation. What is delivered is the complete document in that order: every clause, every table, every figure and every annex of the Chinese original, with the same numbering, so that a reference to a clause number in a contract or a test report points to the same place in both languages.

About this English translation

The English edition of GB/T 46160-2025 is a full translation of the official Chinese text, not a summary, an abstract or a machine rendering left unchecked. Clause and subclause numbers, table and figure numbers and annex letters are those of the original, because they are what a specification, a purchase order or a test report cites.

Technical terms are translated against the vocabulary standards of the same field, so that a term used in GB/T 46160-2025 reads the same way as in the other Chinese standards it is used beside. Where a term has an established English form in an ISO or IEC document on the same subject, that form is used; where China's term has no foreign counterpart, it is translated literally and the Chinese is kept alongside it rather than replaced by an approximation.

Quantities, units and symbols are carried over unchanged. Chinese standards use SI, so a