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

GB/T 18376.2-2024

Replacing GB/T 18376.2-2014

**Grades of cemented carbide - Part 2: Grades of cemented
carbide for rock drilling and engineering**

硬质合金牌号 第2部分：凿岩及工程用硬质合金牌号

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Table of Contents

1 Scope ...	1
2 Normative references ...	1
3 Terms and Definitions ...	1
4 Brand designation rules and classification codes ...	1
4.1 Brand designation rules ...	1
4.2 Classification code ...	1
5 Technical requirements ...	2
5.1 Chemical composition, physical and mechanical properties ...	2
5.2 Metallographic structure ...	3
5.3 Extreme difference in physical and mechanical properties of cemented carbide of the same grade ...	3
6 Test methods and inspection rules ...	4
7 Typical values of cemented carbide grades ...	4

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 is required. This document is Part 2 of GB/T 18376 Cemented Carbide Grades. GB/T 18376 has published the following parts. Part

1 Scope

GB/T 18376.2-2024 is the Chinese national standard on grades of cemented carbide - part 2: grades of cemented carbide for rock drilling and engineering, in the field of metallurgy. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 28 November 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 June 2025. Classification: ICS 77.160, CCS H70. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the representation rules and classification codes, technical requirements, test methods and inspection specifications for cemented carbide grades for rock drilling and engineering. Typical values for materials. This document applies to cemented carbide grades for rock drilling and engineering applications.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies. in this document.

GB/T 3851-2015 Determination method for transverse rupture strength of cemented carbide

GB/T 5242 Inspection rules and test methods for cemented carbide products

3 Terms and definitions

There are no terms or definitions that require definition in this document.

4 Brand designation rules and classification codes

4.1 Brand designation rules The grades of cemented carbide for rock drilling and engineering use are composed of characteristic code G, classification code (see Table 1), grouping code (see Table 2, using 05, 10, 20 two-digit group indicates that, if necessary, an intermediate supplementary group number can be inserted between two group numbers, represented by 15, 25, 35 subdivision code (used when necessary, with no more than 3 characters, the first character is an uppercase English letter, followed by Arabic numerals 199), as shown below. Example 1. The cemented carbide grade classified as cemented carbide for rock drilling bits and grouped as 10 is marked as. GA10. Example 2. Cemented carbide grades classified as cemented carbide for rock drill bits and grouped as 10, when the chemical composition is different from GA10, are marked as. GA10A.

4.2 Classification code The classification codes of cemented carbide grades for rock drilling and engineering are shown in Table 1. Table

1 Classification code Classification and code of cemented carbide grades for rock drilling and engineering
Cemented Carbide A for Rock Drill Bits
Cemented Carbide C for Coal Cutting Teeth
Cemented Carbide D for Mining Drill Bits