

ICS 77-010
CCS H 04



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

GB/T 48185.1-2026

**Technical requirements for intelligent workshop in iron and
steel industry - Part 1: Bar and rod**

钢铁行业智能车间技术要求 第1部分：棒线材

(English Translation)

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Foreword

GB/T 48185.1-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

It is under the responsibility of the China Iron and Steel Association.

Classification: ICS 77-010; CCS H 04.

1 Scope

This is Part 1 of a series on technical requirements for intelligent workshops in the iron and steel industry, and it addresses bar and rod production. Intelligent workshops apply automation, data and digital control to production areas, and the series is intended to give the steel sector a common technical reference for building them.

Its users include steel producers operating bar and rod mills, engineering and automation companies that design and supply control and information systems, equipment manufacturers, consultants, and evaluators involved in smart manufacturing programmes. Plant managers planning digital upgrades can use it to align expectations between the owner and the system supplier.

The document was issued on 28 August 2026 and takes effect on 1 March 2027. It is a recommended national standard (GB/T), meaning it is voluntary unless referenced in a contract or a project requirement. It was prepared under the China Iron and Steel Association.