



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

GB/T 41111-2021

Rods for gas welding of non-alloy and creep-resisting steels

Issued on: December 31, 2021

Implemented on: July 1, 2022

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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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 of Standardization Documents"

drafted:

This document uses the redrafting method to modify the use of ISO 20378:2017 "Welding materials for gas welding of non-alloy steel and heat-strength steel filler wire

Classification":

Compared with ISO 20378:2017, this document has many adjustments in structure:

Appendix A lists this document and ISO 20378:2017:

A list of changes in chapter numbering:

There are technical differences between this document and ISO 20378:2017: Appendix B gives a description of the corresponding technical differences and their reasons:

list:

The following editorial changes have also been made to this document:

--- Modify the standard name to "Filling Wires of Non-Alloy Steel and Thermal Strength Steel for Gas Welding";

--- Added example 2 in 4:2;

--- Removed references:

Please note that some content of this document may be patented: The issuing agency of this document assumes no responsibility for identifying patents:

1 Scope

This document specifies the type, technical requirements, test methods, re-inspection and

supply technical conditions of non-alloy steel and heat-strength steel filler wires for gas welding

and so on:

This document applies to non-alloy steel and heat-strength steel filler wires for gas welding (hereinafter referred to as "filler wires"):

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to

this document:

GB/T 25775 Welding consumables supply technical conditions Product type, size, tolerance and marking (GB/T 25775-2010,

ISO 544:2003, MOD)

GB/T 25778 Welding Consumables Procurement Guidelines (GB/T 25778-2010, ISO 14344:2010, MOD)

3 Terms and Definitions

There are no terms and definitions that need to be defined in this document:

4 models

4:1 Model division

Filler wire models are divided by chemical composition:

4:2 Model preparation method

The filler wire model consists of two parts:

- a) Part 1: Use the letter "O" to indicate filler wire for gas welding;
- b) Part 2: Indicates the chemical composition classification of filler silk, see 5:2: See Appendix C for the welding characteristics of filler wires I–VI:

Examples of filler wire types in this document are as follows:

Example 1:

Indicates filler wire for gas welding

Indicates the chemical composition classification of filler silk

Example 2:

Indicates filler wire for gas welding

Indicates the chemical composition classification of filler silk

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