

ICS 77.150
CCS H63



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

GB/T 17792-2014

Replacing GB/T 17792-1999

Molybdenum and molybdenum alloy bar

钼及钼合金棒

Issued on: July 24, 2014

Implemented on: February 1, 2015

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Requirements
- 3.1 Categories

Foreword

This standard is in accordance with GB/T 1.1-2009 given rules drafted. This standard replaces GB/T 17792-1999 "molybdenum and molybdenum alloy bar." This standard compared with GB/T 17792-1999, the main changes are as follows:

- Increased Mo2, MoLa alloy bar products and their requirements;
- Revised sintered and extruded bar of predetermined diameter range and size deviation;
- Revised sintered density requirements for bar products;
- The content of chemical composition, test methods, inspection rules were revised;
- Increasing the product contracts (or orders) content. This standard by the national non-ferrous metals Standardization Technical Committee (SAC/TC243) centralized. the company. The main drafters of this standard. light new country, Hou Juntao, Guo Lei, Shi Dawei, Yu leaves. Molybdenum and molybdenum alloy rods

1 Scope

GB/T 17792-2014 is the Chinese national standard on molybdenum and molybdenum alloy bar, 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 24 July 2014 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2015. Classification: ICS 77.150, CCS H63. 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.

2 Sintered state (Sh) Pressure processing status (ShR) Pressure processing status (ShR)
sintering Sintering - Forging Sintering - Extrusion MoTi

0.5 Sintered state (Sh) Pressure processing status (ShR) sintering Sintering - Forging
MoLa Sintered state (Sh) Pressure processing status (ShR) sintering Sintering - Forging
RMol Pressure processing status (R) Pressure processing status (R) Electron beam
melting or vacuum arc melting after extrusion Electron beam melting or vacuum arc melting
forged RMoTi

0.5 Pressure processing status (R) Pressure processing status (R) Electron beam melting
or vacuum arc melting after extrusion Electron beam melting or vacuum arc melting forged
NOTE. Sh representatives sintering, R is pressure processing (including machining),
molybdenum and molybdenum alloy bar pressure processing method is usually extrusion,
forging and rolling and the like.

2 Normative references

The following documents for the application of this document is essential. For dated
references, only the dated version suitable for use herein Member. Who does not note date
reference documents, the latest edition (including any amendments) applies to this
document. RT Test Method. Test Part 1

GB/T 228.1 metallic materials tensile

GB/T 3850 compact sintered metal materials and hardmetals - Determination of density

GB/T 4325 (all parts), chemical analysis of molybdenum

GB/T 6394 Determination of average grain size of metal YS/T 660 molybdenum and
molybdenum alloy grades and chemical composition of processed products

3.1 Categories

3.1.1 product grades and status Product grades and status are shown in Table 1. Table