

ICS 27.020
CCS J93

JB

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

JB/T 15270-2026

**Internal combustion engines - Powder metallurgy valve seat
inserts - Metallographic inspections**

内燃机粉末冶金气门座金相检验

(English Translation)

Issued on: February 13, 2026

Implemented on: September 1, 2026

Issued by: Ministry of Industry and Information Technology

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

JB/T 15270-2026 is a recommended industry standard of the People's Republic of China in the Machinery sector, approved and issued by the Ministry of Industry and Information Technology on 13 February 2026, with effect from 1 September 2026.

It is administered by the National Technical Committee for Internal Combustion Engine Standardization.

Classification: ICS 27.020; CCS J93.

1 Scope

The document sets out the metallographic inspection of powder metallurgy valve seat inserts used in internal combustion engines. A valve seat insert is the ring pressed into a cylinder head against which the valve closes, and powder metallurgy is the process by which such parts are made from sintered metal powder. The standard concerns the examination of the microstructure of these parts.

It is used by makers of valve seat inserts, engine manufacturers, metallographic and test laboratories, and buyers who set acceptance conditions for these parts. It is a voluntary industry standard, shown by the /T in its code. It was issued by the Ministry of Industry and Information Technology on 13 February 2026 and takes effect on 1 September 2026. It is a new standard.