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

GB/T 48156-2026

**Aerospace-nuts, barrel, self-locking, floating, self-aligning, with
MJ threads - Dimensions**

航空航天用MJ螺纹自调心桶形游动自锁螺母 尺寸
(English Translation)

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Foreword

GB/T 48156-2026 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 December 2026.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the Standardization Administration of China.

Classification: ICS 49.030.99; CCS V 20.

1 Scope

This standard provides dimensions for aerospace barrel nuts with MJ threads that are self-locking, floating and self-aligning. These are fastening components used in aerospace structures where the nut needs a measure of freedom to align with the bolt. It is relevant to fastener manufacturers, aerospace designers and structural engineers, and to procurement and inspection staff who need a dimensional reference for these parts.

It adopts an international standard. It was issued on 28 August 2026 and takes effect on 1 December 2026. As a GB/T document it is recommended, so it is applied through drawings, contracts and company specifications. A barrel-shaped floating nut sits in a hole or housing and can shift slightly, which compensates for small positional errors between mating parts during assembly. Giving the dimensions in a national standard means that nuts from different makers can be exchanged and that drawings can refer to the part by designation. Anyone buying aerospace fasteners for Chinese projects can use it as a shared basis for describing this nut type.