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

GB/T 47481-2026

**Aerospace - Q clamps (centre-mounted clamps) for fluid
systems - Dimensions**

航空航天 流体系统用Q形（中心固定卡箍）卡箍 尺寸
(English Translation)

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Foreword

This document conforms to GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting is scheduled.

This document is modified to adopt ISO 8479:1986 "Q-type clamps (center-fixed clamps) for aerospace fluid systems - dimensions".

Compared with ISO 8479:1986, this document has undergone the following structural adjustments.

--Chapter 1 addresses Chapters 1 and 2 of ISO 8479:1986 to meet domestic usage habits;

--This document includes a new chapter on "Terms and Definitions";

--The references correspond to Chapter 3 of ISO 8479:1986 to meet domestic usage habits.

The technical differences between this document and ISO 8479:1986, and the reasons therefor, are as follows.

--Change the scope note in ISO 8479:1986 to the main text (see Chapter 1, Chapter 2 of ISO 8479:1986) to meet the requirements.

Domestic usage habits;

--The L dimension in Table 2 has been uniformly adjusted to 19.0 (see Table 2) to adapt to the current situation of domestic products and usage needs.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Aircraft Standardization Technical Committee (SAC/TC 435).

1 Scope

This document specifies the size range of Q-type (center-mounted clamp) clamps that are installed using bolts with a nominal diameter of 5 mm.

The dimensions specified in this document refer to the overall dimensions. This document is not considered an interchangeable standard. Tolerances for each type of clamp are specified on the part itself.

Defined in standard drawings.

The clamps specified in this document are applicable to the installation, support, and laying of rigid piping or hose assemblies used in aerospace equipment, and are also applicable to...

For cables and other equipment.

Q-type clamps with a pipe diameter greater than 50 mm are not suitable for the installation and fixing of rigid pipes or flexible hose assemblies.

2 Normative references

This document has no normative references.

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4 Classification

Q-type (center-mounted clamp) clamps are divided into 6 types according to their operating temperature range, as shown in Table 1.

Table 1. Classification of clamp temperature ratings

The unit is degrees Celsius.

Clamp type

a See ISO 6771.

Temperature range a

Minimum value

Maximum value

.200

5 Product Description

Q-type (center-mounted clamp) clamps, according to product standards, can be used alone as metal clamps, or with clamps featuring plastic pads and elasticity.