**ICS** 11.040.20
**C** 31

# National Standard of the People's Republic of China

**GB/T** 1962.2-2001
**idt ISO** 594-2:1998

## Conical fittings with a 6 %(Luer) taper for syringes, needles and certain other medical equipment - Part 2: Lock fittings

注射器、针头及其他特定医疗设备用 6%（鲁尔）锥度接头——第 2 部分：锁定接头

**Issued on September 18, 2001** **Implemented on February 1, 2002**

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

# Foreword

This standard is identical (IDT) to ISO 594-2:1998 *Conical fittings with 6% (Luer) taper for syringes, needles, and certain other medical equipment - Part 2: Lock fittings*.

This standard is proposed by the National Medical Products Administration.

This standard is under the jurisdiction of the National Technical Committee 95 on Syringe (Needle) for Medical Use of the Standardization Administration of China (SAC/TC95).

Drafting institutions of this standard: National Medical Products Administration, Shanghai Medical Device Quality Supervision and Inspection Center.

Main drafters of this standard: Fu Guobao, Zhao Jing.

## ISO Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75% of the member bodies casting a vote.

International Standard ISO 594-2 was prepared by Technical Committee ISO/TC84, *Medical devices for injections*.

This second edition of ISO 594-2 cancels and replaces the first edition (ISO 594-2:1991), of which it constitutes a partial technical revision.

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# Conical fittings with a 6 %(Luer) taper for syringes, needles and certain other medical equipment - Part 2: Lock fittings

**GB/T 1962-2-2001**

**ISO 594-2:1998**

## 1 Scope

This standard specifies dimensions, requirements and test methods for the lock fittings of conical fittings with a 6% (Luer) taper for syringes, needles and certain other medical equipment (e.g. transfusion equipment).

The requirements apply to fittings made of rigid and of semi-rigid materials and include test methods, but exclude provision for more flexible or elastomeric materials.

**Note**

1 It is not practicable to define the characteristics of rigid or semi-rigid materials with precision, but glass and metal may be considered as typical rigid materials. In contrast, many plastic materials may be regarded as semi-rigid.

2 The Luer lock fitting was designed for use at pressures of the order of 300 kPa or lower.

## 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All the standards will be revised, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below.

GB/T 1031-1995 *Surface roughness - Parameters and their values*

GB/T 1962.1-2001 *Conical fittings with a 6% (Luer) taper for syringes, needles, and certain other medical equipment - Part 1: General requirement* (ISO 594-1:1986, IDT)

GB 15810-2001 *Sterile hypodermic syringes for single use* (ISO 7886-1:1993, EQV)

## 3 Dimensions

### 3.1 Male and female 6% (Luer) conical fittings

The dimensions and tolerances for the male and female fittings specified in GB/T 1962.1 apply to the relevant conical part of the fitting described in clause 4 of this standard.

### 3.2 Male and female 6% (Luer) conical lock fittings

#### 3.2.1 Rigid material

The dimensions of male and female lock fittings made of rigid materials shall be as shown in Figures 1 to 4 and as given in Table 1.

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**Approved on September 18, 2001**

**Implemented on February 1, 2002**