

Australian Standard™

**Medical equipment—Conical fittings
with a 6% (Luer) taper for syringes,
needles and certain other medical
equipment**

Part 1: General requirements

This Australian Standard was prepared by Committee HE-009, Hypodermic Equipment—General Medical. It was approved on behalf of the Council of Standards Australia on 17 November 2003 and published on 27 January 2004.

The following are represented on Committee HE-009:

Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Information Industry Association
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PREFACE

This Standard was prepared by the Australian members of Joint Standards Australia/Standards New Zealand Committee HE-009, Hypodermic Equipment—General Medical, to supersede AS 1600.1—1988, *Medical equipment — Conical fittings with a 6% (Luer) taper for syringes, needles and certain other medical equipment, Part 1: General requirements*.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

This Standard has been reproduced from, and is identical with, ISO 594-1:1986, *Conical fittings with a 6% (Luer) taper for syringes, needles and certain other medical equipment, Part 1: General requirements*. The ISO Standard was reconfirmed in 2001.

The objective of this Standard is to specify requirements for conical fittings with a 6% (Luer) taper for use with hypodermic syringes and needles and with certain other apparatus for medical use such as transfusion and infusion sets.

As this Standard is reproduced from an International Standard, the following modifications apply:

- (a) Its number does not appear on each page of the text, and its identity is shown only on the cover and title page.
- (b) In the source text, ‘this part of ISO 594’ should read ‘this Australian Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

The references to international Standards should be replaced by references to the following Australian or Joint Australian/New Zealand Standards:

<i>Reference to International Standard or other publication</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS	
594	Conical fittings with a 6% (Luer) taper for syringes, needles and certain other medical equipment	1600	Medical equipment—Conical fittings with a 6% (Luer) taper for syringes, needles and certain other medical equipment
594-2	Part 2: Lock fittings	1600.2	Part 2: Lock fittings
7886	Sterile hypodermic syringes for single use	1094	Sterile hypodermic syringes for single use
		1094.1	Part 1: Syringes for manual use

AUSTRALIAN STANDARD

Medical equipment—Conical fittings with a 6% (Luer) taper for syringes, needles and certain other medical equipmentPart 1:
General requirements**0 Introduction**

In this revision of ISO/R 594 first published in 1967, the opportunity has been taken to incorporate test methods for gauging and performance.

It should be noted that the annex does not form an integral part of the standard.

ISO 594/2 deals with lock fittings.

1 Scope and field of application

This part of ISO 594 specifies requirements for conical fittings with a 6 % (Luer) taper for use with hypodermic syringes and needles and with certain other apparatus for medical use such as transfusion and infusion sets.

It covers conical fittings made of rigid and of semi-rigid materials and includes test methods for gauging and performance. It excludes provision for more flexible or elastomeric materials.

Figure 1 illustrates typical male 6 % (Luer) conical fitting ("male fitting") and female 6 % (Luer) conical fitting ("female fitting").

NOTE — 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. By contrast, many plastic materials may be regarded as semi-rigid although the wall thickness is an important factor influencing the rigidity of a component.

2 References

ISO 594/2, *Conical fittings with a 6 % (Luer) taper for syringes, needles and certain other medical equipment — Part 2: Lock fittings.*¹⁾

ISO 7886, *Sterile hypodermic syringes for single use.*

3 Dimensions

The dimensions of male and female conical fittings shall be as given in the table and as shown in figure 1.

A typical assembly of 6 % (Luer) conical fittings is shown in figure 2.

The dimensions of the assembly shall be as given in the table.

1) At present at the stage of draft.