

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

Part 1: General requirements

The European Standard EN 20594-1:1993, with the incorporation of its amendment A1:1997 has the status of a British Standard

ICS 11.040.20

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Health Care Standards Committee (HCC/-) to Technical Committee HCC/2, upon which the following bodies were represented:

- Association of Clinical Pathologists
- British Dental Trade Association
- British Diabetic Association
- British Surgical Trades Association Incorporated
- Department of Health and Social Security
- Disposable Hypodermic and Allied Equipment Manufacturers Association
- Glass Manufacturers' Federation
- Medical Sterile Products Association
- Pharmaceutical Society of Great Britain
- Coopted members

Amendments issued since publication

This British Standard, having been prepared under the direction of the Health Care Standards Committee, was published under the authority of the Board of BSI and comes into effect on 30 January 1987

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National foreword

This Part of BS 3930 has been prepared under the direction of the Health Care Standards Committee and is the English language version of EN 20594-1:1993 “*Conical fittings with a 6 % (Luer) taper for syringes, needles and other medical equipment — Part 1: General requirements*”, including amendment A1. It is identical with ISO 594-1:1986, published by Technical Committee 84 “Syringes for medical use and needles for injection” of the International Organization for Standardization (ISO).

BS 3930 “*Specification for conical fittings with 6 per cent (Luer) taper for hypodermic and other surgical equipment*” was first published in 1965 and specified requirements for Luer slip fittings made of rigid materials, e.g. metal, glass. This standard is the first Part of a two-part revision of BS 3930:1965 and specifies requirements for Luer slip fittings made of rigid and semi-rigid materials. It supersedes BS 3930:1965, which is withdrawn. The second Part of this revision will specify requirements for Luer lock fittings (which were not covered in the 1965 edition), and will implement ISO 594/2.

This Part of BS 3930 also supersedes the requirements for Luer slip fittings made of semi-rigid materials given in BS 5081:1976 “*Sterile hypodermic syringes and needles for single use*”. BS 5081 is itself being revised in two Parts so as to take account of ISO 7864 “*Sterile hypodermic needles for single use*” and ISO 7886 “*Sterile hypodermic syringes for single use*” and to delete the dimensional requirements for Luer fittings.

In 1993 the European Committee for Standardization (CEN) accepted ISO 594-1:1986 as European Standard EN 20594-1:1993. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 20594-1 and any reference to BS 3930-1 should be read as a reference to BS EN 20594-1.

Terminology and conventions. The text of the international standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “this part of ISO 594” appear, they should be read as “this Part of BS 3930”.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

Additional information. With reference to the table of dimensions, dimension *F* is not intended to proscribe fittings which are only tapered to the depth of socket equivalent to the maximum length of engagement and which are not tapered for the remainder of the minimum depth of the fitting. The ISO text will be amended to take account of this when the standard is revised.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 10, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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Descriptors: Medical equipment, syringes, surgical needles, perfusion equipment, blood transfusion equipment, joining, fittings, specifications, dimensions, tests

English version

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

(including amendment A1:1997)
(ISO 594-1:1986)

Assemblages coniques à 6 % (Luer) des
seringues et aiguilles et de certains autres
appareils à usage médical —
Partie 1: Spécifications générales
(inclut l'amendement A1:1997)
(ISO 594-1:1986)

Kegelverbindungen mit einem 6 % (Luer) Kegel
für Spritzen, Kanülen und bestimmte andere
medizinische Geräte —
Teil 1: Allgemeine Anforderungen
(enthält Änderung A1:1997)
(ISO 594-1:1986)

This European Standard was approved by CEN on 1993-08-12. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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European Committee for Standardization
Comité Européen de Normalisation
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