



NSAI
Standards

Irish Standard Recommendation
S.R. CEN/TS 16650:2014

Specification for hose couplings for petrol, oil and lubricants - High pressure couplings

S.R. CEN/TS 16650:2014

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

CEN/TS 16650:2014

Published:

2014-06-04

*This document was published
under the authority of the NSAI
and comes into effect on:*

2014-06-21

ICS number:

23.040.70

49.050

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CEN/TS 16650

June 2014

ICS 23.040.70; 49.050

English Version

**Specification for hose couplings for petrol, oil and lubricants -
High pressure couplings**

Spécifications pour les raccords de tuyaux pour essence,
huile et lubrifiants - Raccords haute pression

Spezifikation für Schlauchkupplungen für Benzin, Öl und
Schmierstoffe - Hochdruckkupplungen

This Technical Specification (CEN/TS) was approved by CEN on 16 December 2013 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents		Page
Foreword.....		3
1	Scope	4
2	Normative references	4
3	Information to be supplied by the purchaser	4
4	Designation of sizes of couplings.....	4
5	Materials	4
6	Dimensions.....	4
7	Coupling finish.....	5
8	Screw threads	5
9	Washers	5
10	Bonding	5
11	Hydrostatic test.....	5
12	Identification marking	5

Foreword

This document (CEN/TS 16650:2014) has been prepared by Technical Committee CEN/TC 218 “Rubber and plastics hoses and hose assemblies”, the secretariat of which is held by BSI.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CEN/TS 16650:2014 (E)**1 Scope**

This Technical Specification specifies requirements for couplings of 2 in (50,8 mm), 2½ in (63,5 mm), 3 in (76,2 mm) and 4 in (101,6 mm) nominal sizes with ribbed tails and hexagons for use at pressures not exceeding 1 550 kN/m² (225 lbf/in²). For assembly of coupling, see Figure 1.

This document is applicable to couplings which have been designed primarily for aircraft refuelling purposes, but they may also be used for other general purposes.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1982:1998, *Copper and copper alloys — Ingots and castings*

EN ISO 228-1, *Pipe threads where pressure-tight joints are not made on the threads - Part 1: Dimensions, tolerances and designation (ISO 228-1)*

EN ISO 228-2, *Pipe threads where pressure-tight joints are not made on the threads - Part 2: Verification by means of limit gauges (ISO 228-2)*

BS 1936-1, *Undercuts and runouts for screw threads. Inch screw threads*

BS 1936-2, *Undercuts and runouts for screw threads. Metric screw threads*

BS 2751, *General purpose acrylonitrile-butadiene rubber compounds. Specification*

BS 3643-2:2007, *ISO metric screw threads — Specification for selected limits of size*

3 Information to be supplied by the purchaser

It is essential that the purchaser states in the enquiry and order, the form of screw thread required (see Clause 8).

4 Designation of sizes of couplings

The size by which the coupling is designated shall be the nominal bore of the hose with which it is to be used.

5 Materials

The material used in the manufacture of the couplings shall be as follows:

- a) Gunmetal castings conforming to Specification CC 491 K of EN 1982:1998
- b) Brass castings conforming to Specification CC 750 S of EN 1982:1998

6 Dimensions

The dimensions of couplings and union nuts shall conform to those shown on Figure 2, Figure 3 and Figure 4 and in Table 1, Table 2 and Table 3.

NOTE The illustrations in this Technical Specification are diagrammatic only, and are solely for the purpose of indicating where the specified dimensions apply.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-