



**NSAI**  
Standards

Irish Standard  
I.S. EN 14423:2013+A1:2016

Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar

I.S. EN 14423:2013+A1:2016

*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:*

EN 14423:2013+A1:2016

*Published:*

2016-09-28

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

2016-10-16

*ICS number:*

23.040.70

*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

## National Foreword

I.S. EN 14423:2013+A1:2016 is the adopted Irish version of the European Document EN 14423:2013+A1:2016, Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with this document does not of itself confer immunity from legal obligations.**

*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

This page is intentionally left blank

EUROPEAN STANDARD

**EN 14423:2013+A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2016

ICS 23.040.70

Supersedes EN 14423:2013

English Version

## Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar

Raccords avec colliers de serrage pour tuyaux à vapeur  
utilisant une pression jusqu'à 18 bar

Schlaucharmaturen mit Klemmfassung für Dampf bis  
18 bar

This European Standard was approved by CEN on 8 May 2013 and includes Amendment 1 approved by CEN on 13 June 2016.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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**

**EN 14423:2013+A1:2016 (E)**

## **Contents**

	Page
<b>European foreword.....</b>	<b>3</b>
<b>1 Scope.....</b>	<b>4</b>
<b>2 Normative references.....</b>	<b>4</b>
<b>3 Terms and definitions .....</b>	<b>5</b>
<b>4 General requirements .....</b>	<b>6</b>
<b>5 Design and designation of coupling assemblies.....</b>	<b>6</b>
<b>5.1 Design .....</b>	<b>6</b>
<b>5.2 Ordering designation system.....</b>	<b>9</b>
<b>6 Hose dimensions .....</b>	<b>9</b>
<b>7 Design and dimensions .....</b>	<b>10</b>
<b>7.1 General.....</b>	<b>10</b>
<b>7.2 Tail end fittings.....</b>	<b>10</b>
<b>7.3 Connectors.....</b>	<b>11</b>
<b>7.3.1 Hose fittings with weld-neck collar (for loose flanges) (FL) .....</b>	<b>11</b>
<b>7.3.2 Hose fittings with weld-neck flange (FV).....</b>	<b>12</b>
<b>7.3.3 Welding connections.....</b>	<b>13</b>
<b>7.3.4 Hose fittings with union nut, thread according to EN ISO 228-1.....</b>	<b>13</b>
<b>7.3.5 Hose fittings with tapered male thread (R) .....</b>	<b>15</b>
<b>7.4 Clamps.....</b>	<b>16</b>
<b>8 Bolts and nuts .....</b>	<b>19</b>
<b>9 Materials.....</b>	<b>19</b>
<b>9.1 Tail end fittings .....</b>	<b>19</b>
<b>9.2 Weld-neck collars and flanges according to EN 1092-1 .....</b>	<b>20</b>
<b>9.3 Loose flanges according to EN 1092-1 .....</b>	<b>21</b>
<b>9.4 Union nuts.....</b>	<b>21</b>
<b>9.5 Wire ring .....</b>	<b>21</b>
<b>9.6 Gaskets .....</b>	<b>21</b>
<b>9.7 Clamps.....</b>	<b>21</b>
<b>9.8 Bolts and nuts .....</b>	<b>22</b>
<b>10 Marking.....</b>	<b>22</b>
<b>10.1 Hose fittings .....</b>	<b>22</b>
<b>10.2 Weld-neck collars and loose flanges .....</b>	<b>22</b>
<b>10.3 Union nuts.....</b>	<b>22</b>
<b>10.4 Clamps .....</b>	<b>23</b>
<b>11 Type testing and quality control.....</b>	<b>23</b>
<b>11.1 General.....</b>	<b>23</b>
<b>11.2 Type-test.....</b>	<b>23</b>
<b>11.3 Sampling.....</b>	<b>23</b>
<b>12 Mounting of hose fittings.....</b>	<b>24</b>
<b>Bibliography.....</b>	<b>25</b>



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