

SLOVENSKI STANDARD**SIST EN ISO 5674:2004****01-september-2004****BUXca Yý U.****SIST EN 1152:1995****SIST EN 1152:1995/AC:2004**

HfU_lcf`hYf`_a Yh`g_]b[cnXUfg_]gffc`!`NUý]HJdf]_`f b] [fYX]!`DfYg_i g] hfXbcgh`]b`cVfUVY`hYf`a Yf]UgdfY`Ya``j cgh`fIGC`) * +(.&\$\$(Ł

Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive-shafts - Strength and wear tests and acceptance criteria (ISO 5674:2004)

Traktoren und land- und forstwirtschaftliche Maschinen - Schutzeinrichtungen für Gelenkwellen - Festigkeits- und Verschleißprüfungen und Annahmekriterien (ISO 5674:2004)

[SIST EN ISO 5674:2004](https://standards.iteh.ai/catalog/standards/sist/d123b61e-bea9-4eb7-96af-0870b6011c0a/sist-en-iso-5674-2004)

Tracteurs et matériels agricoles et forestiers - Protecteurs d'arbres de transmission a cardans de prise de force - Essais de résistance mécanique et d'usure et criteres d'acceptation (ISO 5674:2004)

Ta slovenski standard je istoveten z: EN ISO 5674:2004

ICS:

65.060.01

SIST EN ISO 5674:2004**en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 5674:2004

<https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004>

ICS 65.060.01

English version

Tractors and machinery for agriculture and forestry - Guards for
power take-off (PTO) drive-shafts - Strength and wear tests and
acceptance criteria (ISO 5674:2004)

Tracteurs et matériels agricoles et forestiers - Protecteurs
d'arbres de transmission à cardans de prise de force -
Essais de résistance mécanique et d'usure et critères
d'acceptation (ISO 5674:2004)

Traktoren und land- und forstwirtschaftliche Maschinen -
Schutzeinrichtungen für Gelenkwellen - Festigkeits- und
Verschleißprüfungen (ISO 5674:2004)

This European Standard was approved by CEN on 26 February 2004.

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 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 Management Centre has the same status as the official versions.

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



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This document (EN ISO 5674:2004) has been prepared by Technical Committee ISO/TC 23 "Tractors and machinery for agriculture and forestry" in collaboration with Technical Committee CEN/TC 144 "Tractors and machinery for agriculture and forestry", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2004, and conflicting national standards shall be withdrawn at the latest by September 2004.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

(standards.iteh.ai)

Endorsement notice

The text of ISO 5674:2004 has been approved by CEN as EN ISO 5674:2004 without any modifications.

<https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004>

ANNEX ZA (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 98/37 EEC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 98/37 EEC.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

WARNING: Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 5674:2004](https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004)

<https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 5674:2004

<https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004>

**Tractors and machinery for agriculture
and forestry — Guards for power take-off
(PTO) drive-shafts — Strength and wear
tests and acceptance criteria**

*Tracteurs et matériels agricoles et forestiers — Protecteurs d'arbres de
transmission à cardans de prise de force — Essais de résistance
mécanique et d'usure et critères d'acceptation*

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN ISO 5674:2004](https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004)

[https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-
d870b601fe68/sist-en-iso-5674-2004](https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004)



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 5674:2004](https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004)

<https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004>

© ISO 2004

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General test conditions	2
4.1 Guard	2
4.2 Other	2
5 Test equipment	2
5.1 General	2
5.2 Test parameters	2
6 Tests	4
6.1 General	4
6.2 Wear test	4
6.3 Bearing corrosion test (Perform only if the guard has bearings running in contact with the PTO-shaft).....	4
6.4 Strength tests	5
6.5 Tests at sub-zero temperature	8
6.6 Restraining means test at specified temperature	10
7 Final acceptance criteria	11
8 Test report	12
Annex A (normative) Test schedule	13
Annex B (normative) UV test for plastic guards	16
Annex C (informative) Typical test report	17
Annex D (informative) Novel design guard and restraining systems tests	20

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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

ISO 5674 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 2, *Common tests*.

This second edition of ISO 5674 cancels and replaces the first editions of ISO 5674-1:1992 and ISO 5674-2:1992, of which it constitutes a technical revision.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 5674:2004
<https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004>

Introduction

This document is a type C standard as stated in ISO 12100.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this standard.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 5674:2004](https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004)

<https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 5674:2004

<https://standards.iteh.ai/catalog/standards/sist/d123b61c-bea9-4eb7-96af-d870b601fe68/sist-en-iso-5674-2004>