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**Stroji za zemeljska dela - Laboratorijsko ovrednotenje zaščite - Mejno področje deformacije - Dopnilo A1 (ISO 3164:2013/DAM 1:2020)**

Earth-moving machinery - Laboratory evaluations of protective structures - Specifications for deflection-limiting volume - Amendment 1 (ISO 3164:2013/DAM 1:2020)

Erdbaumaschinen - Prüfung von Schutzaufbauten - Verformungsgrenzbereich - Änderung 1 (ISO 3164:2013/DAM 1:2020)

Engins de terrassement - Étude en laboratoire des structures de protection - Spécifications pour le volume limite de déformation - Amendement 1 (ISO 3164:2013/DAM 1:2020)

[SIST EN ISO 3164:2014/oprA1:2021  
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**Ta slovenski standard je istoveten z: EN ISO 3164:2013/prA1**

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**ICS:**

53.100      Stroji za zemeljska dela      Earth-moving machinery

**SIST EN ISO 3164:2014/oprA1:2021      en,fr,de**

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# DRAFT AMENDMENT

## ISO 3164:2013/DAM 1

ISO/TC 127/SC 2

Secretariat: ANSI

Voting begins on:  
2021-01-01Voting terminates on:  
2021-03-26

## Earth-moving machinery — Laboratory evaluations of protective structures — Specifications for deflection-limiting volume

### AMENDMENT 1

*Engins de terrassement — Étude en laboratoire des structures de protection — Spécifications pour le volume limite de déformation*

AMENDEMENT 1

ICS: 53.100

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This document was prepared by Technical Committee ISO/TC 127, Earth-moving machinery, Subcommittee SC 2, Safety, ergonomics and general requirements.

The main changes compared to the previous edition are as follows:

- Clarification was provided that rotation of the DLV during testing is to be in accordance with the requirements of the applicable TOPS and ROPS test document.

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# Earth-moving machinery — Laboratory evaluations of protective structures — Specifications for deflection-limiting volume

## AMENDMENT 1

Page 2, 4.4

Replace the paragraph with the following:

During TOPS and ROPS testing, rotation of the DLV shall be in accordance with the requirements of the applicable TOPS and ROPS test document (e.g. ISO 3471:2008, ISO 12117:1997/ Cor 1:2000, ISO 12117-2:2008/Amd 1:2016, ISO 13459:2012). If allowed during lateral loading for TOPS and ROPS testing, it is permissible for the upper portion of the DLV to be rotated laterally about the SIP up to 15° (see Table 1). If allowed during longitudinal loading for TOPS and ROPS testing, it is permissible for the upper portion of the DLV to be rotated forwards about the LA up to 15°. See the examples given in Figure 4. The portion below the SIP of the DLV does not rotate. If there is interference with any machine component, rotation of the DLV shall be limited to the angle at which the interference occurs.

### Bibliography

Add Bibliography with the following:

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### Bibliography

- [1] ISO 3471:2008, *Earth-moving machinery — Roll-over protective structures — Laboratory tests and performance requirements*
- [2] ISO 12117:1997/ Cor 1:2000, *Earth-moving machinery — Tip-over protection structure (TOPS) for compact excavators — Laboratory tests and performance requirements*
- [3] ISO 12117-2:2008/Amd 1:2016, *Earth-moving machinery — Laboratory tests and performance requirements for protective structures of excavators — Part 2: Roll-over protective structures (ROPS) for excavators of over 6 t — Amendment 1*
- [4] ISO 13459:2012, *Earth-moving machinery — Trainer seat — Deflection limiting volume, space envelope and performance requirements*