2026-08

Warnvermerk / Warning notice

ÖNORM EN 13001-3-2:2016,

Krane - Konstruktion allgemein - Teil 3-2: Grenzzustände und Sicherheitsnachweis von Drahtseilen in Seiltrieben)

Cranes - General design - Part 3-2: Limit states and proof of competence of wire ropes in reeving systems

In the German and English version of ÖNORM EN 13001-3-2:2016 (identical with EN 13001-3-2:2014-08) the following error has been noted:

Warning notice:

Issues have been identified in the proof of competence of the fatigue strength verification of wire ropes in the harmonised standard EN 13001-3-2:2014.

The design life of ropes determined in accordance with EN 13001-3-2:2014 may be overestimated, in particular in the usage of high tensile strength running ropes and/or small D/d ratios.

This can lead ropes to reach a safety-critical condition or fail prematurely.

Solution:

It is recommended that existing wire rope drives for which the fatigue strength verification was performed in accordance with EN 13001-3-2:2014 are to be reviewed regarding the reeving system design and the inspection and discard criteria.

Until the standard is revised, the fatigue strength verification for running wire ropes can be carried out based on ISO 16625:2025 as an alternative. ISO 16625:2025 takes actual fatigue test results into consideration.

The ongoing revision of EN 13001-3-2:2014 will address the identified issues and adopt the updated calculation method.

HINWEIS:
Wir weisen darauf hin, dass der vorliegende Fehler negative Auswirkungen haben kann. Es liegt in der Verantwortung des Anwenders, den Sachverhalt bei der Anwendung des Dokuments angemessen zu berücksichtigen, um einen etwaigen Schaden zu vermeiden.
Bitte prüfen Sie unverzüglich, ob und inwieweit in Ihrem Fall eine Schadengefahr besteht und reagieren Sie entsprechend. Falls Sie das Dokument selbst nicht anwenden, jedoch den/die betroffenen Anwender kennen, leiten Sie diesen Warnvermerk unverzüglich an den/die Anwender weiter.

INFORMATION:
Please note that this error can have negative implications. When applying the standard, it is the user's responsibility to take due account of this warning notice in order to avert potential damage.
Please check without delay whether, and to what extent, there is a risk of damage in your case, and take the necessary action. If you do not apply the document yourself but are aware of any users who may be affected, please forward this warning notice on to them without delay.