Übersetzungen von DIN-Normen

Manuskriptübersetzungen

Translations of DIN-Standards

Typescript translations

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UDC 631.3.012.1-2 GERMAN STANDARDS October 1979

Agricultural machinery and tractors
Linch pins

D I N 11023

This standard includes safety specifications in Sections 3 and 5.

Entry into force

This standard enters into force as from the 1st October 1979

To give manufacturers and users an opportunity to adapt to the new measurements, an introductory period of 1 year from the date of issue indicated on the standard has been specified.

Published by agreement with the Federal Minister of Transport.

Measurements in mm

1 Field of application and object

Linch pins are used as a quickly released retaining device on agricultural machinery on axles, linkages or spindles, because of their simplicity and safety. The essential feature is the spring clip which is pre-loaded so as to press against the pin itself.

In addition to the two holes drilled to take the two ends of the spring steel wire, a third hole is provided above them to take a safety device such as a chain.

2 Standards which also apply

DIN 7168 Part 1	General tolerances (free size tolerances) ; linear and angle sizes
DIN 17223 Part 1	Round spring steel wire, quality specifications; patented drawn spring wire of unalloyed steels

Normenausschuss Maschinenbau (NAM) im DIN Deutsches Institut für Normung e.V.

(Machine Construction Standards Committee of the German Standards Institute)

A = Modification October 1979

Nominal size 17 and hole to take chain supplement. Section 6 on testing newly included. Content revised, see Explanations.

B = Previous editions: 07.63

3 Safety requirements

The undesired opening of the spring clip should be prevented by the pre-loading of the spring which brings the clip into contact with the pin; this can be reinforced by additional measures, which must not reduce the necessary minimum shearing resistance of the shaft. It must be possible to open the spring clip by hand. Lateral displacement of the spring clip is prevented by such means as stops or blind drill-holes.

3.1. Dimensions, designation

The linch pin does not need to correspond in detail with the drawings, but the dimensions shown must be adhered to.

General tolerances: DIN 7168 - mean