Förhandsgranskning / Preview

Drive coupling guards

Information inside square brackets ([...]) in this document refers to Swedish regulations.

Scope

This standard provides advice and instructions for the design of belt guards, coupling guards, and drive shaft guards, focusing on personal safety and maintenance availability. The standard describes the criteria to be considered by the project organisation, designers, installers, and suppliers, with consideration given for optimal functionality.

The advice applies to the design of machine guards supported by directives relating to machine safety.

The standard provides basic examples of guard placement, design, dimensions, inspectability, and attachment. However, all guards are application-specific and must be designed based on prevailing conditions.

The standard applies to both the construction of new machinery and rebuilding of existing machinery.

The standard is a merger of two previous standards SSG 3357E – "Belt guards" and SSG 3358E – "Coupling guard and cardan shaft protection".

Contents

1 **General** 2
1.1 Applicable directives 2
1.2 Materials 3
1.2.1 Steel design 3
1.2.2 Plastic design 3
1.3 Surface protection 3
1.4 Maintainability 4
1.4.1 Inspectability 4
1.4.2 Accessibility 5
2 **Hazard marking** 5
3 **Coupling guards** 6
4 **Drive shaft guards** 7
5 **Belt guards** 8
5.1 Size, length, width 8
5.2 Belt guard design examples 10
5.2.1 Type A, uniform or varied pulley operation 10
5.2.2 Type B, front-opening 11
5.2.3 Type C, hood 12
5.2.4 Fasteners 13
6 **References** 14

SSG Standards are covered by copyright and may not be reproduced without special permission.
ssgsolutions.com