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Australian/New Zealand Standard™

Safety of machinery

Part 1602: Interlocking devices associated with guards—Principles for design and selection

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Australian Industry Group
Australian Manufacturing Workers Union
Department of Mines and Petroleum, WA
Department of the Premier and Cabinet, SA
Engineers Australia
Federal Chamber of Automotive Industries
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Australian/New Zealand Standard™

Safety of machinery

Part 1602: Interlocking devices associated with guards—Principles for design and selection

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-041, General Principles for the Guarding of Machinery, to supersede AS 4024.1602—2006.

It is emphasized that this Standard is part of the AS(/NZS) 4024.1 series and it is imperative that it is used in conjunction with other applicable parts of the series. A complete listing of all current parts of the AS(/NZS) 4024.1 series can be found at the Standards Australia website <www.standards.org.au> and in AS/NZS 4024.1100, *Safety of machinery*, Part 1100: *Application Guide*.

The objective of this Standard is to specify the principles for the design and selection, independent of the energy source, of interlocking devices associated with guards. It provides measures to minimize defeat of interlocking devices in a reasonably foreseeable manner and it covers the parts of guards which actuate interlocking devices. It does not necessarily provide all the specific requirements for trapped key systems.

This Standard is identical with, and has been reproduced from ISO 14119:2013, *Safety of machinery—Interlocking devices associated with guards—Principles for design and selection*.

As this Standard is reproduced from an International Standard, the following applies:

(a) In the source text 'this International Standard' should read 'this Australian/New Zealand Standard'.

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References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

Reference to International Standard		*Australian/New Zealand Standard*	
ISO		AS/NZS	
		4024	Safety of machinery
12100	Safety of machinery—General principles for design—Risk assessment and risk reduction	4024.1201	Part 1201: General principles for design—Risk assessment and risk reduction
13849	Safety of machinery—Safety-related parts of control systems		
13849-1	Part 1: General principles for design	4024.1503	Part 1503: Safety-related parts of control system—General principles for design
		AS	
13849-2	Part 2: Validation	4024.1502	Part 1502: Design of safety related parts of control systems—Validation
IEC			
60204	Safety of machinery—Electrical equipment of machines	60204	Safety of machinery—Electrical equipment machines
60204-1	Part 1: General requirements	60204.1	Part 1: General requirements (IEC 60204-1, Ed. 5 (FDIS) MOD)
62061	Safety of machinery—Functional safety of safety-related electrical, electronic and programmable electronic control systems	62061	Safety of machinery—Functional safety of safety-related electrical, electronic and programmable electronic control systems

The term 'informative' has been used in this Standard to define the application of the annex to which it applies. An 'informative' annex is only for information and guidance.

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