

Australian/New Zealand Standard™

Safety of machinery

**Part 3612: Conveyors—Chain
conveyors and unit handling conveyors**



AS/NZS 4024.3612:2015

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-041, Safety of Machinery, to supersede (in part) AS 1755—2000, *Conveyors—Safety requirements*.

The objective of this Standard is to provide guidance and clarity in applying the principles articulated in the AS 4024.1 series of Standards to conveyors and to protect workers and other persons against harm to their health, safety and welfare through the elimination or minimisation of lifecycle risks associated with conveyor systems.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendices to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is for information and guidance only.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out minimum lifecycle safety requirements for chain conveyors and unit handling conveyors, which are in addition to the general requirements of AS/NZS 4024.3610. It also contains requirements for systems comprising multiple conveyors. It specifies requirements for people who design/modify, manufacture, supply, install, commission, operate, maintain or dismantle chain conveyors and unit handling conveyors.

This Standard does not apply to bulk materials handling belt conveyors, which are covered by AS/NZS 4024.3611.

This Standard includes requirements for users and providers of inspection, maintenance, training and the implementation of safe work practices for such equipment. Particular emphasis is given to operational safety and the protection afforded to operators, maintenance personnel or other persons who may be exposed to risks to health and safety associated with conveyors.

The following types of conveyors are covered:

- (a) Apron.
- (b) Barrel or drum.
- (c) Bucket.
- (d) Chain.
- (e) Cross-bar.
- (f) Pocket.
- (g) Plate.
- (h) Truck towing.
- (i) Powered roller.
- (j) Slat.
- (k) Twin flat top.
- (l) Trolley.

This Standard excludes the following:

- (i) Platform elevators/lifts.
- (ii) Moving stairways.
- (iii) Moving walkways.
- (iv) Conveyors specifically designed for the conveyance of people.