



The Mobile Robot Company

Knowledge Center — ISO 3691-1 · 2026-08-04

<https://info.mobilerobot.com/safety-compliance/standards/iso-3691-1>

ISO 3691-1

EN ISO 3691-1:2015+A1:2020 appears in the J1600's [compliance list](https://info.mobilerobot.com/safety-compliance/certificates/compliance-statements/) (<https://info.mobilerobot.com/safety-compliance/certificates/compliance-statements/>). It is the safety standard for self-propelled industrial trucks operated by a person — the standard that covers the J1600 when it is used manually.

What the standard covers

ISO 3691-1, *Industrial trucks — Safety requirements and verification — Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks*, sets safety requirements for powered industrial trucks under operator control, including pedestrian-controlled (walk-behind) trucks such as electric pallet trucks. It addresses truck construction, controls, [braking](https://info.mobilerobot.com/safety-compliance/safety-functions/braking/) (<https://info.mobilerobot.com/safety-compliance/safety-functions/braking/>), stability, load handling, and the verification of these requirements.

How it applies to the J1600

In manual mode the J1600 handles like a conventional walk-behind electric pallet jack: the operator controls travel and lift with the tiller, picks and drops pallets at up to 1,600 mm, and manoeuvres in situations that need judgment. That mode of operation is the domain of ISO 3691-1.

Because the J1600 is a [dual-mode](https://info.mobilerobot.com/products/j1600/dual-mode/) (<https://info.mobilerobot.com/products/j1600/dual-mode/>), vehicle, both parts of the standard family apply:

Operating mode	Applicable standard
Manual (tiller-controlled)	ISO 3691-1 (https://info.mobilerobot.com/safety-compliance/standards/iso-3691-1/) — self-propelled industrial trucks
Autonomous (driverless)	ISO 3691-4 (https://info.mobilerobot.com/safety-compliance/standards/iso-3691-4/) — driverless industrial trucks and their systems

The [transition between the two modes](https://info.mobilerobot.com/documentation/getting-started/manual-and-autonomous-modes/) (<https://info.mobilerobot.com/documentation/getting-started/manual-and-autonomous-modes/>) is itself safeguarded: [automatic/manual mode](#)

[selection](https://info.mobilerobot.com/safety-compliance/safety-functions/mode-selection/) (<https://info.mobilerobot.com/safety-compliance/safety-functions/mode-selection/>) and [tiller-position detection](https://info.mobilerobot.com/safety-compliance/safety-functions/tiller-detection/) (<https://info.mobilerobot.com/safety-compliance/safety-functions/tiller-detection/>), are safety functions with assigned Performance Levels under [ISO 13849-1](https://info.mobilerobot.com/safety-compliance/standards/iso-13849-1/) (<https://info.mobilerobot.com/safety-compliance/standards/iso-13849-1/>), and the operator must confirm entry into automatic mode.

The US counterpart for operator-controlled trucks is [ANSI/ITSDF B56.1](https://info.mobilerobot.com/safety-compliance/standards/ansi-itsdf-b56-1/) (<https://info.mobilerobot.com/safety-compliance/standards/ansi-itsdf-b56-1/>).

PRELIMINARY COMPLIANCE LIST

The J1600's compliance list comes from the preliminary January 2026 product documentation and is subject to change. Use current product documentation for deployment decisions.