



SURFACE VEHICLE RECOMMENDED PRACTICE

J2967™

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Ready-Mixed Concrete Truck Recommended Practice

RATIONALE

This document has been revised to clarify some of the wording in Section 5.

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1. SCOPE

This recommended practice (RP) is applicable to the construction, reconstruction, and modification of ready-mixed concrete trucks. This RP is not mandatory but is a consensus of industry best practices. It is not intended to override or replace OEM vehicle specifications, existing government regulations, and other sources that are related to this RP.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (U.S. and Canada only) or +1 724-776-4970 (Outside U.S. and Canada), www.sae.org.

SAE J3024 Product Safety Signs for Ready Mixed Concrete Trucks

2.1.2 ANSI Publications

Copies of these documents are available online at <https://webstore.ansi.org>.

ANSI Z87.1-2010 American National Standard for Occupational and Educational Personal Eye and Face Protection Devices

2.1.3 ASTM Publications

Available from ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9500, www.astm.org.

ASTM F2413-05 Standard Specification for Performance Requirements for Foot Protection

3. DEFINITIONS

3.1 BODY

The transit mixer assembly and associated hardware that is mounted onto a chassis to form a completed ready-mixed concrete truck.

3.2 CHARGE

To add material into the drum.

3.3 CHARGE HOPPER

The funnel-shaped apparatus at the mouth of the drum that directs material into the drum.

3.4 CHUTE EXTENSIONS

Sections that extend the length of the chute during discharge operation but that can be removed and stored on the vehicle during transport.

3.5 CHUTE LOCK

The locking device capable of keeping the main chute from rotating.

3.6 DISCHARGE HOPPER

The feature that gathers the material as it discharges from the drum and guides it into the main chute.

3.7 DEBOUNCER

The feature located at the discharge end of the drum that limits the vertical travel of an empty drum to prevent damage to the roller track.

3.8 DISCHARGE

To expel material out of the drum and down the chute.

3.9 DRIVE PEDESTAL

The structure that supports the drum drive.

3.10 DRUM

The rotating vessel that contains the material during transport.

3.11 DRUM ACCESS LADDER

The series of steps, stairs, or rungs that provide access to the drum discharge area.

3.12 DRUM DRIVE

The assembly of parts that causes the drum to rotate.

3.13 DRUM HATCH

The hatch located at the wide portion of the drum used to access or inspect the interior of the drum.

3.14 DRUM ROLLER TRACK

The ring on the drum that rides on the drum support rollers.

3.15 DRUM SUPPORT ROLLERS

The wheels that support the drum during rotation.

3.16 EQUIVALENT DIAMETER

The diameter of a circle with the same cross-sectional area of an irregularly shaped object.

3.17 FOLD-OVER CHUTE

The second section of chute that is permanently attached to the main chute and can be folded out of the way during transport.

3.18 MAIN CHUTE

The first section of chute that is permanently attached beneath the discharge hopper and can be maneuvered to position the chute.

3.19 MANUFACTURER

The original or any intermediate or final-stage manufacturer prior to the ready-mixed concrete truck being offered for sale.