

ANSI/ASAE S318.18 JUN2017
Safety for Agricultural Field Equipment



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Safety for Agricultural Field Equipment

Supersedes ASAE R275, Improving Safety on Farm Implements, adopted June 1964; R280, Improving Safety on Farm Tractors, adopted December 1964; and S297T, Enclosure-Type Shielding of Forward Universal Joint and Coupling Means of Agricultural Implement Power Drive Lines, adopted June 1966. Proposed by the Engineering Policy Committee of the Farm and Industrial Equipment Institute; adopted by ASAE as a Recommendation December 1968; revised December 1969; revised and reclassified as an American National Standard February 1972; revised editorially June 1972 (revision 3); revised December 1973, March 1977, March 1978; reaffirmed December 1982; revised March 1984, March 1985, March 1987, April 1988; revision approved by ANSI June 1989; revised editorially April 1991; reaffirmed by ASAE December 1992; reaffirmed by ANSI July 1993; revised March 1995, March 1997, February 1998; revision approved by ANSI November 1998; reaffirmed by ASAE December 1998; revised May 1999; revision approved by ANSI September 1999; revised December 2002; revised editorially November 2005; revised June 2006, June 2009, June 2017.

Keywords: Braking, Controls, Definitions, Guard, Manuals, Power take-off, ROPS, Safety, Safety signs, Transport.

1 Scope

1.1 This Standard is a guide to provide a reasonable degree of personal safety for operators and other persons during the normal operation and servicing of agricultural field equipment.

1.2 This Standard does not apply to skid steer loaders, permanently installed grain dryers, and agricultural equipment covered by other safety standards, such as but not limited to permanently installed farmstead equipment, portable grain augers, and storage structures, except where specifically referenced by other standards.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies unless noted. For undated references, the latest approved edition of the referenced document (including any amendments) applies.

2.1 General standards used in the application of this document.

ANSI/ASAE S279, Lighting and Marking of Agricultural Equipment on Highways

ANSI/ASAE S338, Field Equipment for Agriculture — Safety Chain for Towed Equipment

ANSI/ASAE S365, Braking System Test Procedures and Braking Performance Criteria for Agricultural Field Equipment

ANSI/ASAE S390, Definitions and Classifications of Agricultural Field Equipment

ANSI/ASAE S478 Roll-Over Protective Structures (ROPS) for Compact Utility Tractors

ANSI/ASABE S604 Safety for Power Take-off (PTO), PTO Drive Shafts, and Power Input Connection (PIC) for Agricultural Field Equipment