

ANSI/ASAE S331.6 AUG2015
Implement Power Take-Off Drive Shaft Specifications



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Proposed by the Engineering Policy Committee of the Farm and Industrial Equipment Institute; approved by the ASAE Power and Machinery Division Standards Committee; adopted by ASAE as a Recommendation December 1969; reconfirmed December 1970; revised December 1971, December 1972; reconfirmed December 1976; reclassified as a Standard March 1978; revised March 1981; approved as an American National Standard December 1982; reconfirmed December 1985; revised February 1990; revision approved by ANSI April 1991; revised March 1995; revision approved by ANSI January 1996; reaffirmed by ASAE December 1999; reaffirmed by ANSI June 2000; reaffirmed by ASAE February 2005; reaffirmed by ANSI March 2005; reaffirmed by ASABE January 2010; reaffirmed by ANSI February 2010; revised and approved by ASABE and ANSI August 2015.

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1 Purpose

1.1 The purpose of this Standard is to establish multiple categories of universal joint drive shafts with two subsets of telescoping members each, one heavy duty, HD, and one regular duty, RD

1.2 The intended use of the drive shafts is between tractor power take-off (PTO) shafts and power input connections (PIC), or any universal joint application within the implement. The PTO drive shaft from the tractor PTO to the (PIC) is considered a part of the implement.

1.3 This Standard does not provide for dimensional interchangeability from one implement to another.

2 Normative References

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

ANSI/ABMA 11-2014, Load Ratings and Fatigue Life for Roller Bearings

ANSI/ASABE AD5673-1, Agricultural tractors and machinery — Power take-off drive shafts and power-input connection — Part 1: General manufacturing and safety requirements

ANSI/ASABE S604.1 SEP2014, Safety for Power Take-off (PTO), PTO Drive Shafts, and Power Input Connection (PIC) for Agricultural Equipment

3 Requirements

3.1 Seals used shall not be subject to damage from over lubrication.

3.2 Drive shafts, when lubricated shall be designed to permit lubrication of all sides of the telescoping members.