

ANSI/ASAE S229.6 DEC1976 (R2017)
Baling Wire for Automatic Balers



**American Society of
Agricultural and Biological Engineers**

STANDARD

ASABE is a professional and technical organization, of members worldwide, who are dedicated to advancement of engineering applicable to agricultural, food, and biological systems. ASABE Standards are consensus documents developed and adopted by the American Society of Agricultural and Biological Engineers to meet standardization needs within the scope of the Society; principally agricultural field equipment, farmstead equipment, structures, soil and water resource management, turf and landscape equipment, forest engineering, food and process engineering, electric power applications, plant and animal environment, and waste management.

NOTE: ASABE Standards, Engineering Practices, and Data are informational and advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. The ASABE assumes no responsibility for results attributable to the application of ASABE Standards, Engineering Practices, and Data. Conformity does not ensure compliance with applicable ordinances, laws and regulations. Prospective users are responsible for protecting themselves against liability for infringement of patents.

ASABE Standards, Engineering Practices, and Data initially approved prior to the society name change in July of 2005 are designated as "ASAE", regardless of the revision approval date. Newly developed Standards, Engineering Practices and Data approved after July of 2005 are designated as "ASABE".

Standards designated as "ANSI" are American National Standards as are all ISO adoptions published by ASABE. Adoption as an American National Standard requires verification by ANSI that the requirements for due process, consensus, and other criteria for approval have been met by ASABE.

Consensus is established when, in the judgment of the ANSI Board of Standards Review, substantial agreement has been reached by directly and materially affected interests. Substantial agreement means much more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that a concerted effort be made toward their resolution.

CAUTION NOTICE: ASABE and ANSI standards may be revised or withdrawn at any time. Additionally, procedures of ASABE require that action be taken periodically to reaffirm, revise, or withdraw each standard.

Copyright American Society of Agricultural and Biological Engineers. All rights reserved.

ASABE, 2950 Niles Road, St. Joseph, MI 49085-9659, USA, phone 269-429-0300, fax 269-429-3852, hq@asabe.org



Documents
Document Sharing Hub

ANSI/ASAE S229.6 DEC1976 (R2017)

Approved December 1982; reaffirmed December 2017 as an American National Standard

Baling Wire for Automatic Balers

Proposed by the Advisory Engineering Committee of the Farm and Industrial Equipment Institute; approved by the ASAE Power and Machinery Division Technical Committee; adopted by ASAE May 1952; revised January 1958, February 1962; reaffirmed with new format December 1966; revised June 1967, December 1969, December 1970; reaffirmed December 1975; revised December 1976; revised editorially March 1980; reaffirmed December 1981; approved as an American National Standard December 1982; reaffirmed December 1986, December 1991; reaffirmed by ANSI September 1992; reaffirmed by ASAE December 1996; reaffirmed by ANSI March 1998; reaffirmed by ASAE December 2001, February 2003; reaffirmed by ANSI February 2003; reaffirmed by ASABE and ANSI February 2008; February 2013, December 2017.

Keywords: Balers, Baling, Wire

1 Scope and Designation

- 1.1 This specification shall cover annealed baling wire for automatic balers.
- 1.2 The wire shall be furnished in two sizes of coils: 960 m (3150 ft) minimum and 1981 m (6500 ft) minimum.

2 Standard Practice

2.1 Unless otherwise specified, standard practices as covered by the American Iron and Steel Institute in the latest revision of the AISI Steel Products Manual, Wire and Rods, Carbon Steel, shall govern on all points covered by this specification.

3 Requirements

3.1 Physical properties

345 to 483 MPa (50,000 to 70,000 psi) tensile strength
12 percent minimum permanent elongation in 254 mm (10 in.) length.

3.2 Rewinding practices

3.2.1 Wire shall be wound with uniform tension and shall be furnished with a protective coating that will provide adequate lubricity and corrosion resistance but will not harden or produce a gummy condition in the baler tying mechanism.

3.2.2 Wire shall be free from injurious heavy scale and surface imperfections.

3.2.3 Wire shall be free of kinks and shall be of continuous length; therefore, it shall contain no twisted splices. Welded joints shall be dressed down to wire diameter.

3.2.4 Wire shall be capable of being uncoiled from both the inside and the outside of the coil.

3.2.5 Outside end of wire shall bear a tag containing only the manufacturer's identification; inside end of coil shall be bent over the tie at the inside diameter.