

ASABE/ISO 24347:2019 NOV2021

**Agricultural vehicles — Mechanical connections between towed and towing vehicles — Dimensions of ball-type coupling device (80 mm)**



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*This standard was reviewed for adoption by the ASABE Power and Machinery Agricultural Machinery — Agricultural Tractor Technical subcommittee, and has been formerly approved by the Technical Committee. Adopted by ASABE and approved as an American National Standard August 2009; adoption revised to adoption with deviations June 2014; reaffirmed and editorial revision December 2018; adopted 2019 version identically November 2021.*

**Keywords:** Dimensions, Location, Mechanical connections, Power take-off, Tractors

## **0 Foreword**

**0.1** ASABE/ISO 24347: 2019 NOV2021, Agricultural vehicles — Mechanical connections between towed and towing vehicles — Dimensions of ball-type coupling device (80 mm), is an adoption without modifications of the identically titled ISO standard ISO 24347:2019, Agricultural vehicles — Mechanical connections between towed and towing vehicles — Dimensions of ball-type coupling device (80 mm).

**0.2** ASABE/ISO 24347 specifies the dimensional requirements and location for a ball coupling device of 80 mm nominal diameter, whose male part is fitted to an agricultural towing vehicle and female part is fitted to a towed, non-balanced vehicle provides mechanical connection between the two vehicles. It defines vertical loading for different positions.

This document specifies a ball coupling device with either a horizontal adjustable version, or a close position version.

**0.3** Three normative references are listed in ISO 24347:2019. These references have been reviewed and accepted as part of the adoption of the ISO document in ASABE/ISO 24347:2019.

**0.3.1** Please note that Normative Reference ISO 500-1, Farming tractors — Rear-mounted power take-off types 1, 2, 3 and 4 — Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone, has been adopted by ASABE with deviations (ANSI/ASABE AD500-1:2014 , Farming tractors — Rear-mounted power take-off types 1, 2, 3 and 4 — Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone). The deviations within that adoption do not apply to the use of ISO 24347:2019.

**0.3.2** Please note that Normative Reference ISO 500-2, Agricultural tractors — Rear-mounted power take-off types 1, 2 and 3 — Part 2: Narrow-track tractors, dimensions for master shield and clearance zone, has been adopted by ASABE with deviations (ANSI/ASABE AD500-2:2004, Farming tractors — Rear-mounted power take-off types 1, 2, and 3 — Part 2: Narrow-track tractors, dimensions for master shield and clearance zone). The deviations within that adoption do not apply to the use of ISO 24347:2019.