Initial JUN2009 / Revision JUL2017

ANSI/ASABE AD6489-3:2004 JUL2017 (R2026)
Agricultural vehicles — Mechanical connections between towed and towing vehicles — Part 3: Tractor drawbar

ASABE
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CAUTION NOTICE: ASABE and ANSI standards may be revised or withdrawn at any time.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, hq@asabe.org

ANSI/ASABE AD6489-3:2004 JUL2017 (R2026)
Revision approved July 2017; reaffirmed April 2026 as an American National Standard

Agricultural vehicles — Mechanical connections between towed and towing vehicles — Part 3: Tractor drawbar

These materials are subject to copyright claims of ISO and ASABE. No part of this publication may be reproduced in any form, including an electronic retrieval system, without the prior written permission of ASABE. All requests pertaining to the ANSI/ASABE AD6489-3:2004 JUL2017 Standard should be submitted to ASABE.

This standard was reviewed and approved for adotpoion by the ASAE Tractor Committee; approved by the Power and Machinery Division Standards Committee.

Revision	Action	Publication Date	Action	Date	Note
2	Revised	7/2017	Reaffirmed	1/2022, 4/2026	
1	Revised	8/2014			
-	Initial Publication	6/2009			ANS

Keywords: Clearance zone, Dimensions, Drawbar, Location, Mechanical connections, Power take-off, Safety chain, Tractor

0 Foreword

0.1 ANSI/ASABE AD6489-3:2004, Agricultural vehicles — Mechanical connections between towed and towing vehicles — Part 3: Tractor drawbar, is an adoption with deviations of the identically titled ISO standard ISO 6489-3:2004, Agricultural vehicles — Mechanical connections between towed and towing vehicles — Part 3: Tractor drawbar. Deviations noted in the following sections pertain to those provisions where harmonization could not be achieved between ASABE and the International Standard.

Deviations from the subsequently printed international standard are noted with underscore (addition) or strikethrough (deletions) text. Deviations from the international standard figures and equations are clearly marked.

0.2 This part of ISO 6489 specifies the dimensional requirements and location for Category 0, 1, 2, 3, 4, and 5 drawbars mounted on the rear of agricultural tractors. The following additions apply:

0.2.1 Safety chain requirements as outlined in ANSI/ASAE S338.

0.2.2 Requirements for clearance between the drawbar and PTO drive shafts.

0.2.3 Requirements for the drawbar positions to use with Type 1 and Type 4 PTOs.

0.2.4 Requirements for clearance to tires or tracks.

0.2.5 Details for an auxiliary hole for drawbar design without clevis.