



BSI Standards Publication

## Agricultural trailers and trailed equipment — Drawbar jacks

---

Part 2: Application safety, test methods and acceptance criteria

## National foreword

This British Standard is the UK implementation of [ISO 12140-2:2020](#). Together with [BS ISO 12140-1:2020](#), it supersedes [BS ISO 12140:2013](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AGE/6, Agricultural tractors and forestry machinery.

A list of organizations represented on this committee can be obtained on request to its committee manager.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2020  
Published by BSI Standards Limited 2020

ISBN 978 0 539 15408 5

ICS 65.060.01

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 September 2020.

### Amendments/corrigenda issued since publication

| Date              | Text affected                                           |
|-------------------|---------------------------------------------------------|
| 30 September 2020 | Correction to supersession details in National Foreword |

# INTERNATIONAL STANDARD

**ISO**  
**12140-2**

First edition  
2020-09-07

---

---

## **Agricultural trailers and trailed equipment — Drawbar jacks —**

### **Part 2: Application safety, test methods and acceptance criteria**

*Remorques agricoles et matériel traîné — Béquilles d'attelage —*

*Partie 2: Sécurité d'application, méthodes d'essai et critères  
d'acceptation*



Reference number  
ISO 12140-2:2020(E)

**AVA** Documents  
Document Sharing Hub  
© ISO 2020



## **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2020, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
copyright@iso.org  
www.iso.org

# Contents

Page

|                                                                |           |
|----------------------------------------------------------------|-----------|
| <b>Foreword</b>                                                | <b>iv</b> |
| <b>1 Scope</b>                                                 | <b>1</b>  |
| <b>2 Normative references</b>                                  | <b>1</b>  |
| <b>3 Terms and definitions</b>                                 | <b>1</b>  |
| <b>4 Application requirements</b>                              | <b>2</b>  |
| 4.1 Ground pressure                                            | 2         |
| 4.2 Prevention of ground contact when not in use               | 2         |
| 4.3 Security in operating position                             | 2         |
| 4.4 Hydraulic components and fittings                          | 2         |
| 4.5 Application performance                                    | 3         |
| 4.5.1 General                                                  | 3         |
| 4.5.2 Static vertical load                                     | 3         |
| 4.5.3 Static side load                                         | 3         |
| 4.6 Jack stand system application tests                        | 3         |
| 4.6.1 General procedures and installation of jack              | 3         |
| 4.6.2 Ground contact pressure calculation                      | 3         |
| 4.6.3 Capacity tests                                           | 4         |
| 4.6.4 Functional failure                                       | 5         |
| 4.6.5 Catastrophic failure                                     | 5         |
| 4.7 Load holding requirements for hydraulic jack stand systems | 5         |
| <b>5 Information for use — Marking</b>                         | <b>5</b>  |
| <b>Bibliography</b>                                            | <b>6</b>  |