INTERNATIONAL STANDARD

ISO 2332

Third edition
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Agricultural tractors and machinery — Connection of implements via three-point linkage — Clearance zone around implement

Tracteurs et matériels agricoles — Liaisons des instruments par l'attelage trois points — Zone de dégagement autour de l'instrument

Reference number
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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 2332 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 4, *Tractors*.

This third edition cancels and replaces the second edition (ISO 2332:1993), which has been technically revised.

Agricultural tractors and machinery — Connection of implements via three-point linkage — Clearance zone around implement

1 Scope

This International Standard specifies the clearance zone around an implement for attachment to the three-point linkage of an agricultural wheeled tractor.

It is applicable to the connection of agricultural implements to three-point linkages complying with ISO 730, and also where implement couplers complying with ISO 11001-1, ISO 11001-2, ISO 11001-3 and ISO 11001-4 are used.

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.

ISO 730:2009, *Agricultural wheeled tractors — Rear-mounted three-point linkage — Categories 1N, 1, 2N, 2, 3N, 3, 4N and 4*

ISO 11001 (all parts), *Agricultural wheeled tractors and implements — Three-point hitch couplers*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
implement coupler
device which facilitates the connection of tractor three-point linkage to the implement

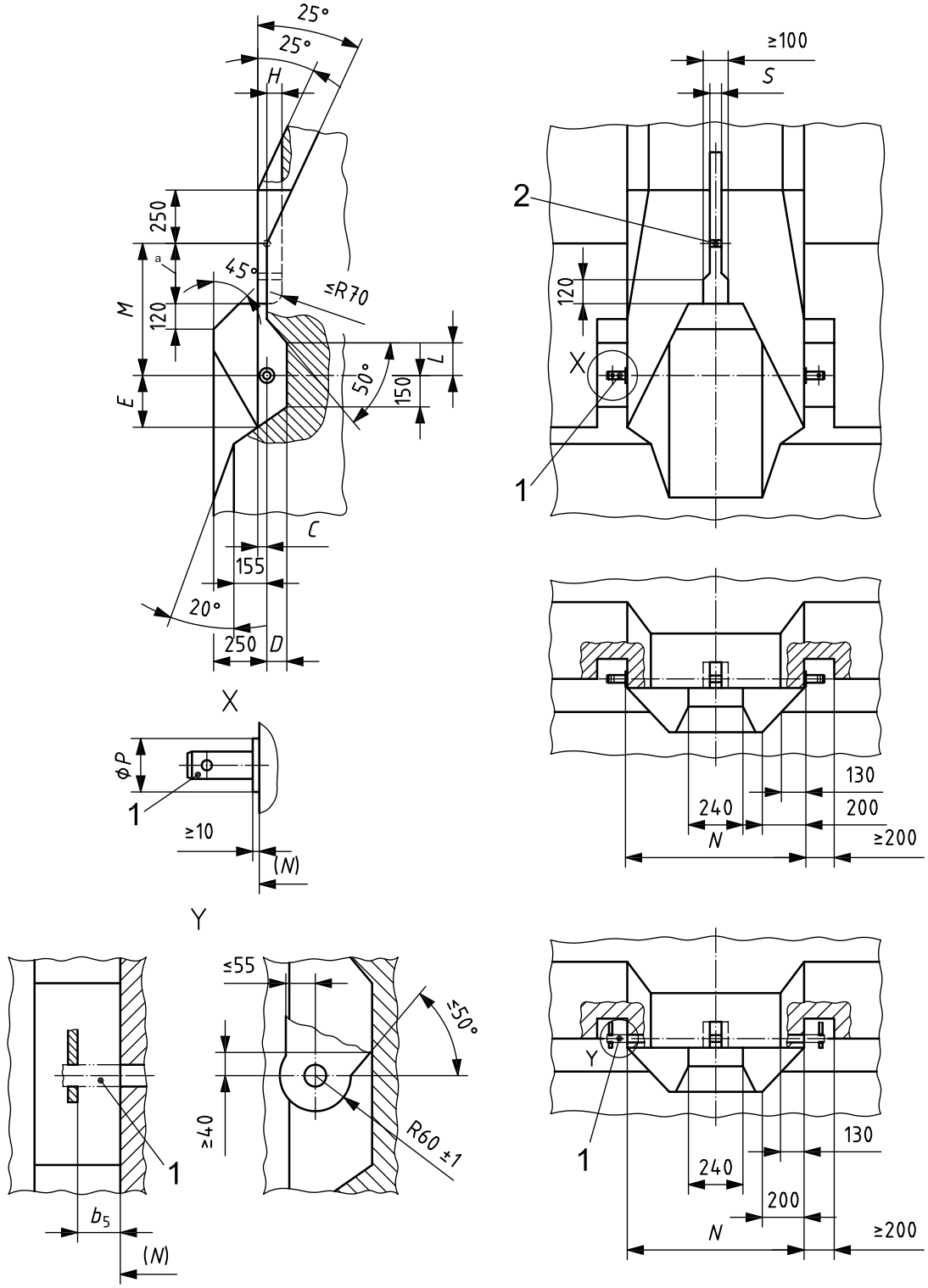
3.2
transport pitch
pitch reached by the mast when lifted to standard transport height from a position with lower links horizontal and mast vertical

[ISO 730:2009, 3.2.24]

4 Specifications

The shape and dimensions of the clearance zone around implements for attachment to a three-point linkage shall be as shown in Figures 1 to 4 and as given in Table 1. Not included are adjustable levers and handles used to operate the implement, or specifications referring to the width of the implements.

Dimensions in millimetres



Key

1 lower hitch point
2 upper hitch point
X hitch pin on both sides
Y clevis mounting on both sides

[a] A or B (see Table 1).

NOTE For dimension b_5, see ISO 730.

Figure 1 — Clearance zone of implements where transport pitch extends forward of vertical in raised position (view of details)

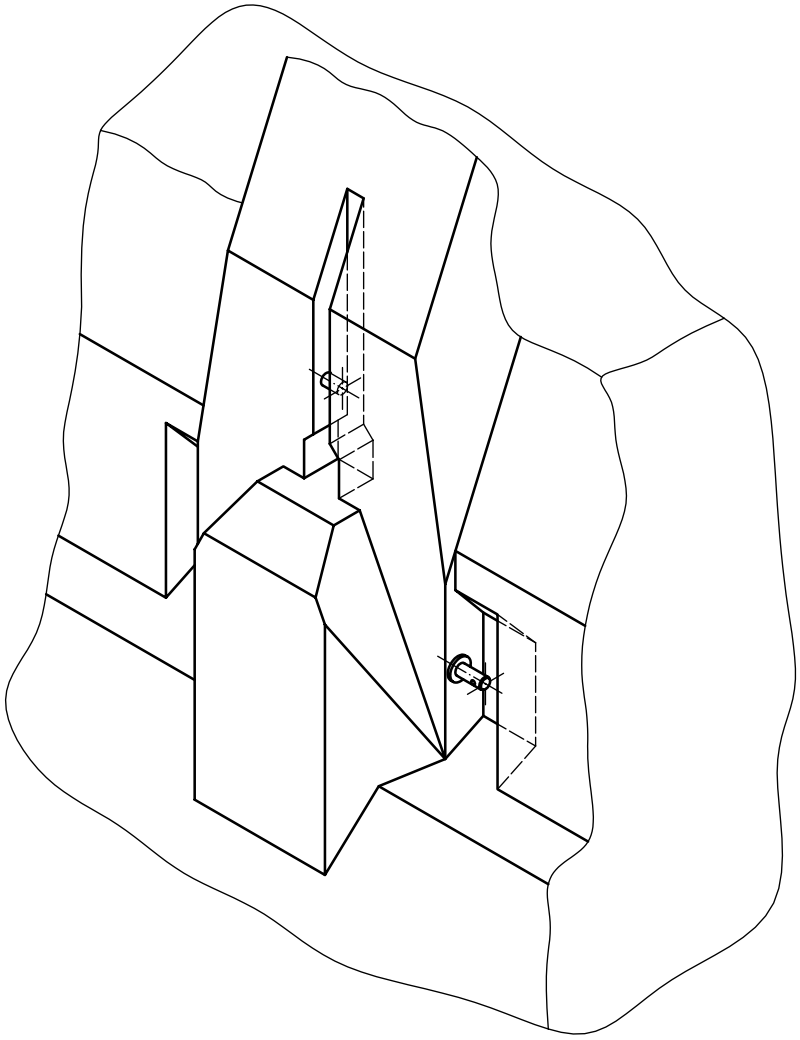
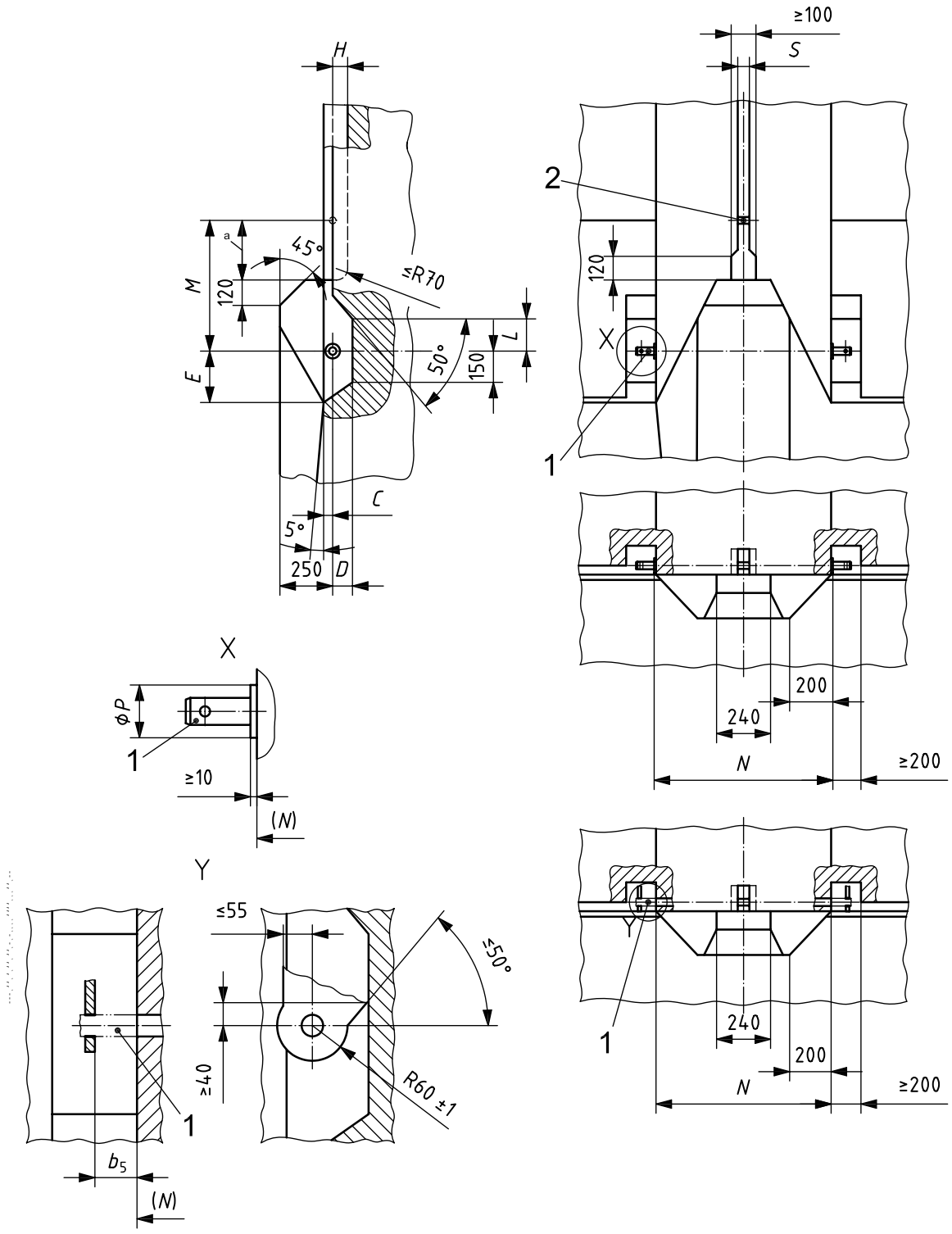


Figure 2 — Clearance zone of implements where transport pitch extends forward of vertical in raised position (perspective view)

Dimensions in millimetres



Key

1 lower hitch point
2 upper hitch point
X hitch pin on both sides
Y clevis mounting on both sides

[a] A or B (see Table 1).

NOTE For dimension b_5, see ISO 730.

Figure 3 — Clearance zone of implements where transport pitch does not extend forward of vertical in raised position (view of details)

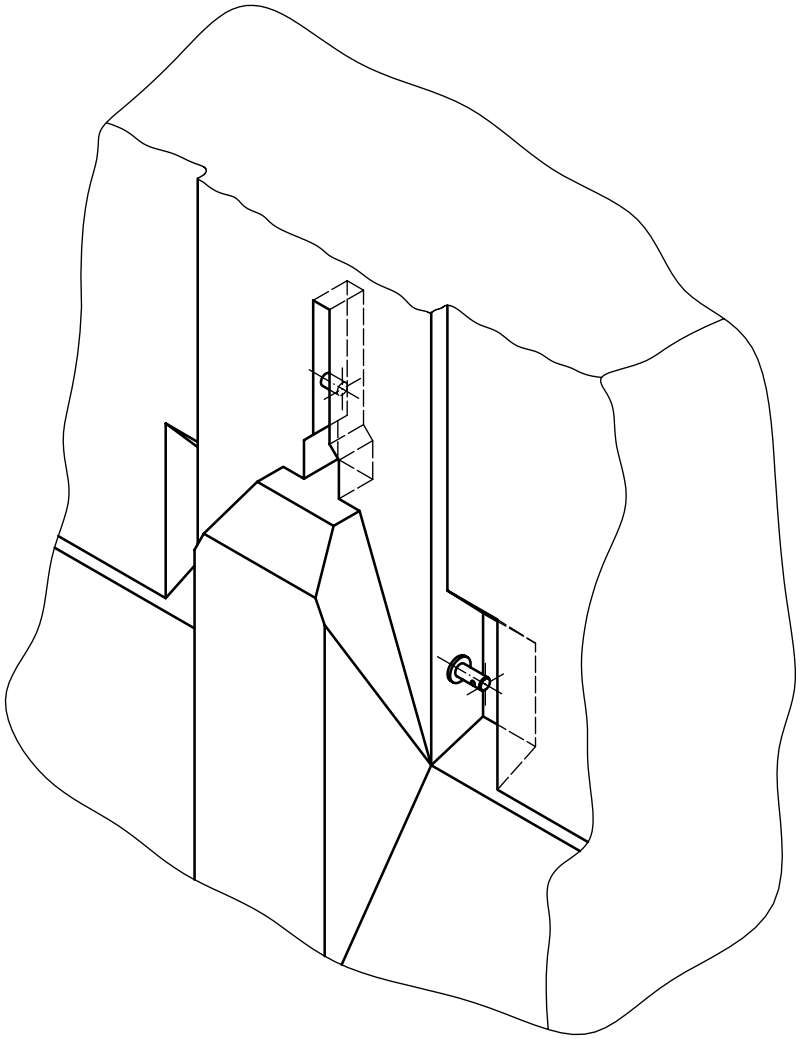


Figure 4 — Clearance zone of implements where transport pitch shall not extend forward of vertical in raised position (perspective view)

Table 1 — Dimensions

Dimensions in millimetres

Symbol	Description	Tractor category[a]															
		1N		1		2N		2		3N		3		4N		4	
		min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
A[b]	Upper hitch pin, vertical clearance	310	—	310	—	460	—	460	—	460	—	460	—	460	—	460	—
B	Upper hitch pin, vertical clearance	160	—	160	—	280	—	280	—	280	—	280	—	280	—	280	—
C	Hitch pins, horizontal position	—	35	—	35	—	35	—	35	—	40	—	40	—	40	—	40
D	Lower hitch pin, horizontal clearance	95	—	95	—	95	—	95	—	105	—	105	—	135	—	135	—
E	Lower hitch pin, vertical position	230	—	230	—	230	—	230	—	245	—	245	—	245	—	245	—
H	Upper hitch pin, horizontal clearance	80	—	80	—	80	—	80	—	90	—	90	—	120	—	120	—
L	Lower hitch pin, vertical position	150	—	150	—	150	—	150	—	200	—	200	—	200	—	200	—
S	Upper hitch pin, width clearance	52	—	52	—	52	—	52	—	52	—	52	—	65	—	65	—
M[c, d]	Mast height	See ISO 730.															
N[c]	Lower hitch point span	See ISO 730.															
P	Diameter of hitch pin shoulder	See ISO 11001-3.															

a Tractor categories according to ISO 730.

b Dimension A applies where it is necessary to accommodate the upper hook to the coupler complying with ISO 11001-1.

c It may be necessary to vary this dimension in the case of specialized implements.

d If U-frame couplers according to ISO 11001-1, are used, dimension M should be in line with the upper hook vertical spacing as specified in ISO 11001-1.

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