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Agricultural wheeled tractors and attachments — Front loaders — Carriages for attachments

*Tracteurs agricoles à roues et accessoires — Chargeuses frontales —
Accouplements sur structures pour les accessoires*

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Foreword

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Agricultural wheeled tractors and attachments — Front loaders — Carriages for attachments

1 Scope

This International Standard specifies the dimensions and clearance requirements for the carriages for attachments on agricultural tractors and machines equipped with front loaders and having a maximum load capacity of 30 kN and a maximum unladen tractor weight of 7 500 kg.

2 Terms and definitions

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

2.1

front loader

detachable unit consisting of lifting arms and fastening devices designed to be mounted on a frame on the front of a tractor and equipped with a carriage for mounting various attachments

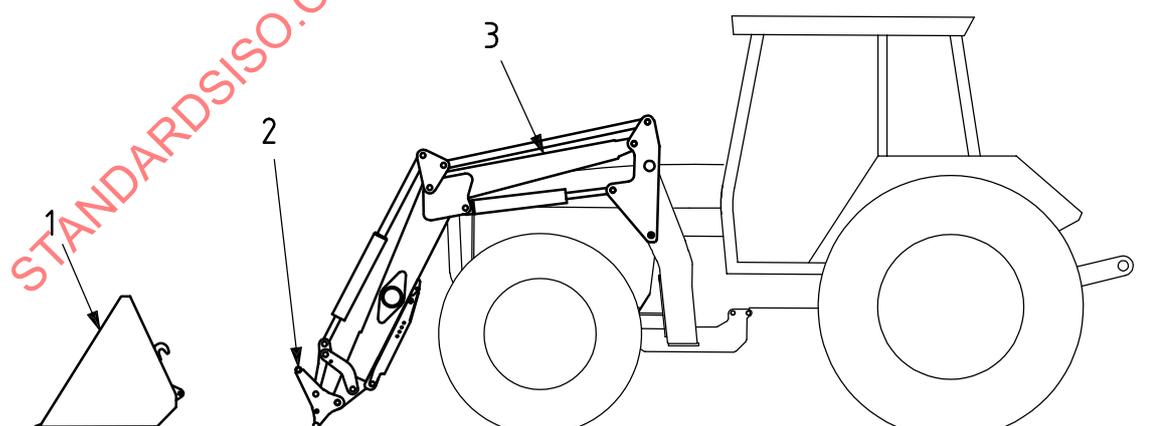
See Figure 1.

2.2

attachment

working device to be mounted on and operated with a front loader

See Figure 1.



Key

- 1 attachment
- 2 carriage
- 3 lifting arm

Figure 1 — Tractor with front loader and an attachment

2.3 carriage

coupler assembly at the front loader arm end for mounting various attachments to the front loader

See Figure 1.

2.4 maximum load capacity

maximum vertical lift capacity generated at a point 800 mm horizontal in front of the locking pin of the carriage, when operating the lift and/or tilt cylinders

See Figure 2.

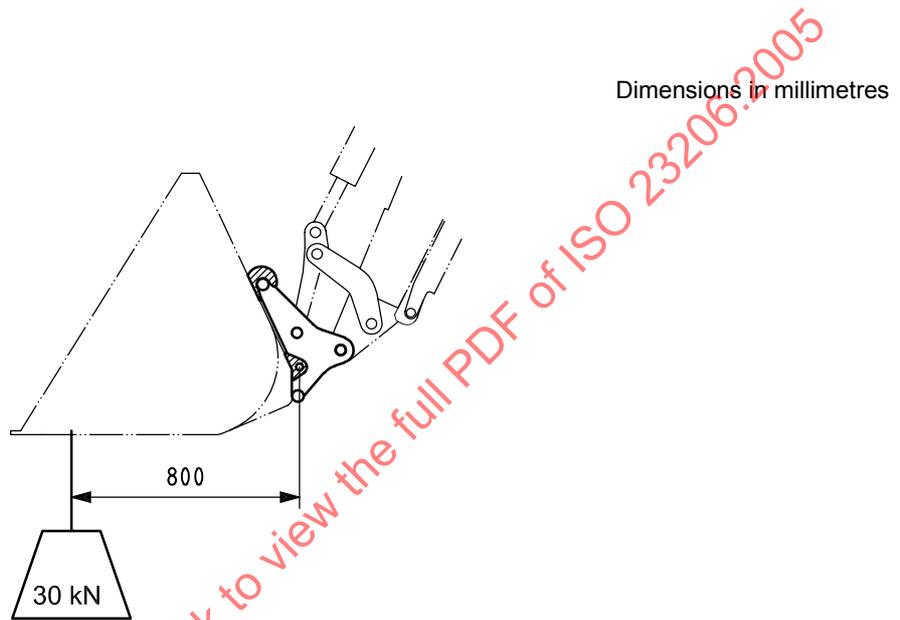


Figure 2 — Maximum load capacity

3 Dimensions and clearances

The carriage dimensions and the dimensions associated with the attachment shall be in accordance with Figures 3 and 4.

For the carriage clearance zones, see Figure 3.

For the clearance at the back of the attachment, see Figure 5.

Dimensions in millimetres

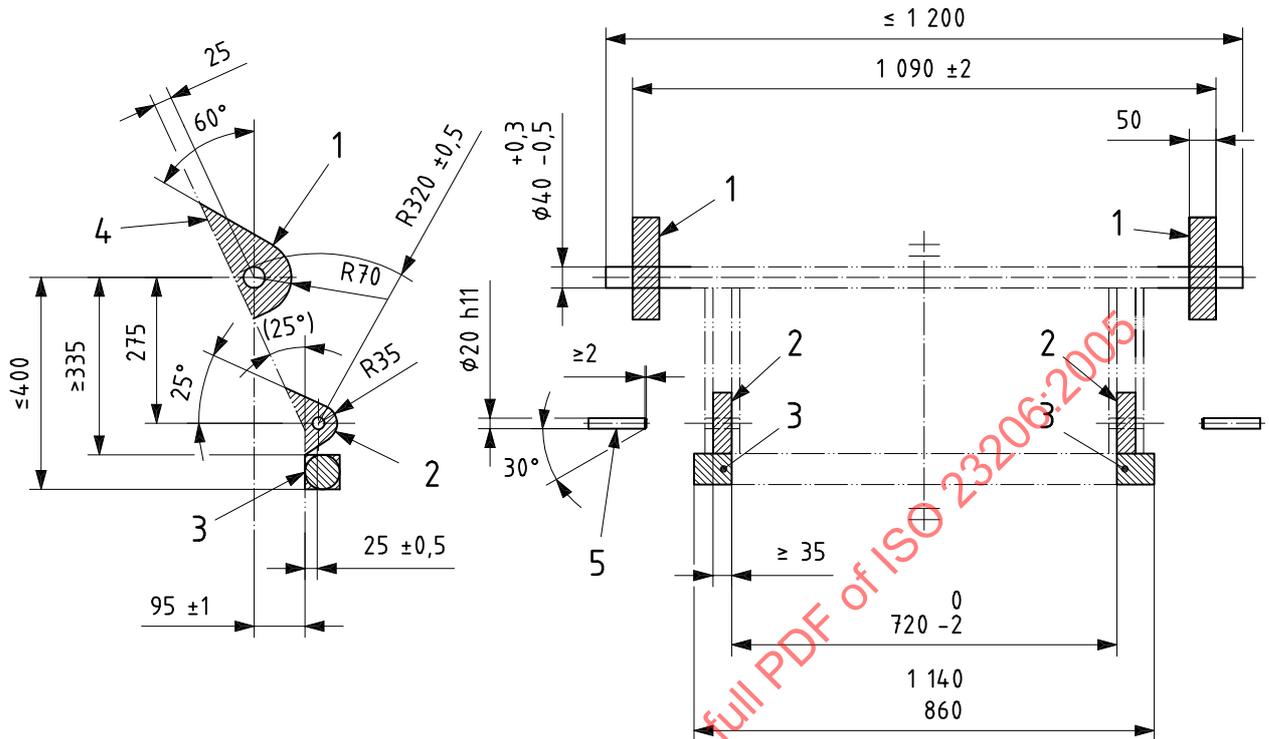
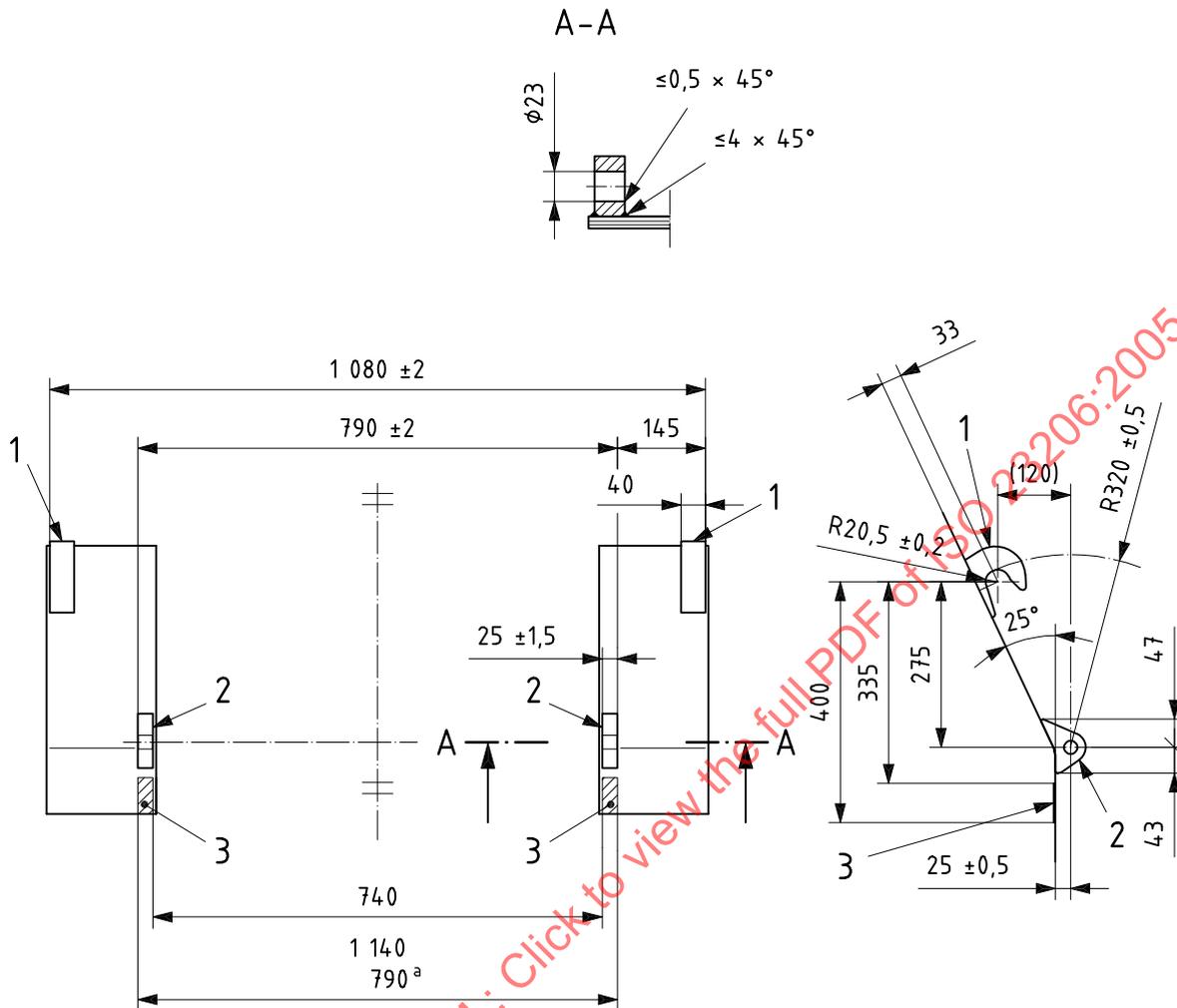


Figure 3 — Carriage dimensions and clearances



Key

- 1 hook
- 2 eyelet
- 3 attachment buffer ^a

^a The buffer shall be wide enough (≥ 790 mm) so that the attachment does not deform the carriage during normal operation.

Figure 4 — Dimensions associated with the attachment

Dimensions in millimetres

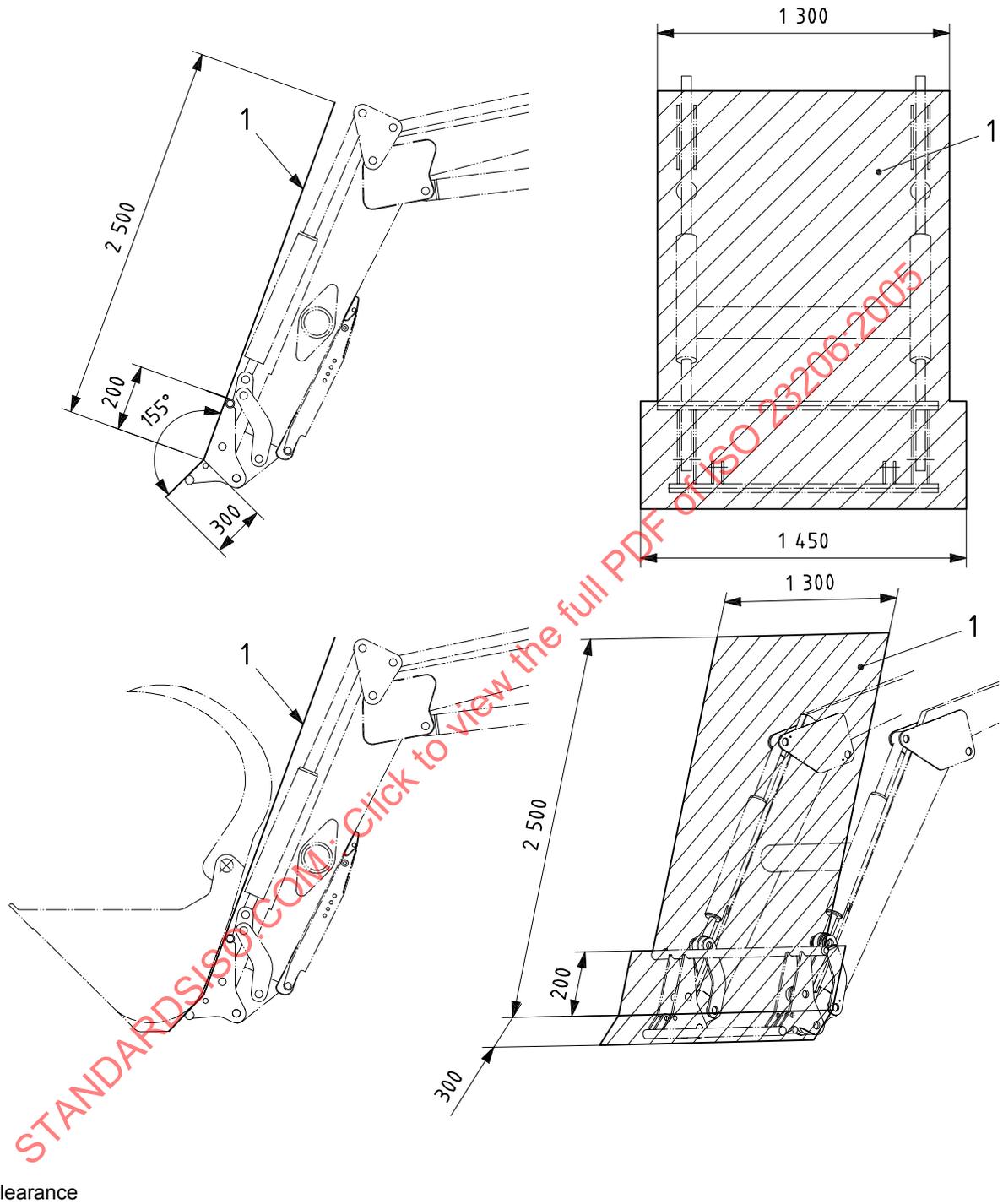


Figure 5 — Clearance at back of attachment