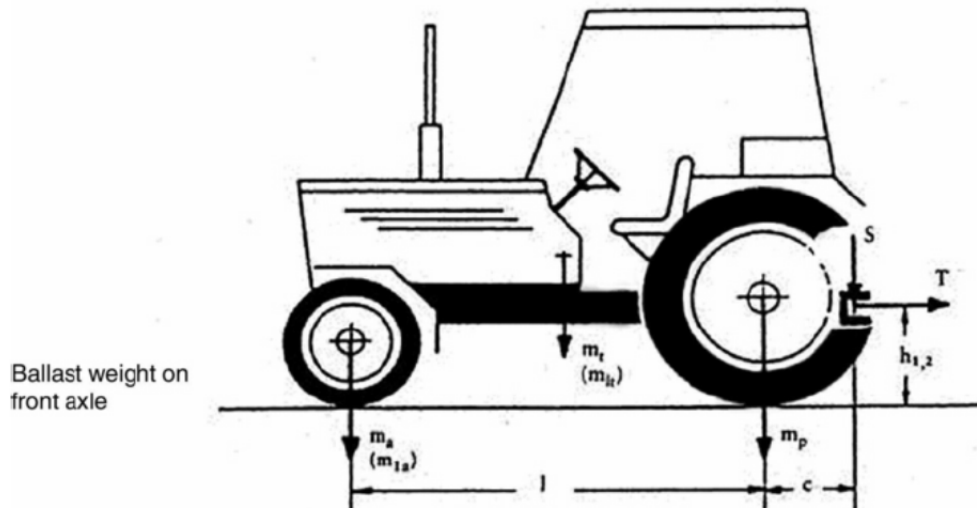


Proposal for Chapter 5 of the Draft ECE R 55 "agricultural couplings"

- 5.1 The mechanical coupling device or component fitted to the vehicle shall be approved in accordance with the requirements of paragraphs 3 and 4 and annexes 5 and 6 of this Regulation. This sentence does not make any sense to me. ((= 6.1 of R 55))
- 5.2 Height above the ground of the coupling device (h)

(see figure below).



- 5.2.1 All tractors with a loaded mass exceeding 2,5 tonnes must be fitted with a trailer coupling having a ground clearance satisfying one of the following relations:

$$h_1 \leq \frac{(m_a - 0,2 \cdot m_t) \cdot l - (S \cdot c)}{0,6 \cdot (0,8 \cdot m_t + S)}$$

Or

$$h_2 \leq \frac{(m_{la} - 0,2 \cdot m_t) \cdot l - (S \cdot c)}{0,6 \cdot (0,8 \cdot m_t - 0,2 \cdot m_t + S)}$$

where:

- m_t : mass of the tractor (see Annex I, point 1.6),
- m_{lt} : mass of the tractor (see Annex I, point 1.6) with ballast weight on the front axle,
- m_a : weight on the front axle of the unladen tractor (see Annex IV, point 1.9),
- m_{la} : weight on the front axle of the tractor (see Annex IV, point 1.9) with ballast weight on the front axle,
- l : tractor wheelbase (see Annex IV, point 1.8),
- S : vertical load on the coupling point (see Annex IV, point 1.6),
- c : distance between the reference centre of the mechanical coupling and the vertical plane passing through the axle of the rear wheels of the tractor (see Annex IV, point 1.5).

- 5.3 Operating instructions shall be provided for use of the coupling device or component which shall contain any special instructions for operations which are different from those normally associated with the type of coupling device or component and

instructions for coupling and uncoupling with different modes of operation, for example, at various angles between the towing and towed vehicles. Each vehicle shall be accompanied by these operating instructions. ((=6.3 of R 55))