

Installation instructions for under run bar with coupling mounting

Type: WUB-ZKK, Type A (with under run WUF 100 SRK), ECE approval number: E4-55R-010 320

**Assembly:**

The side plates (pos 1) are screwed left and right in the holes provided on the side of the vehicle chassis, or hole pattern drilled to the specification shown below

**Screws (minimum):**

Hex screws M165, DIN 933 - 8.8 or 10.9, with hex nuts M16 - DIN 980 - 8 or 10 or DIN 934 - 8 or 10, with washer DIN 125.

The tightening torque is 195 Nm at strength class 8 and 290 Nm at strength class 10.

**Optional fasteners:**

Flange bolts DIN 6921 M14x1, 5 - 10.9, with flange nuts DIN 6927, M14 - 10.9.

The tightening torque is 160 +10 / 0 Nm.

The towbar fitting on the cross tube can accept a suitable type approved ball/ pin coupling, (pos. 2). The clearance for the hitch ball must be at least 65 mm from the mounting face. If necessary, a type-approved intermediate plate (item 3) must be fitted. The manufacturer's instructions of the hitch must be observed.

The cross tube is pushed through the ends of the clamping side plates and fixed by tightening the screws symmetrically to the vehicle centre. The tightening torque is 80 Nm. DIN 7343.

In addition - to be secured against rotation - the cross tube must be secured with a roll pin, 8x36.(Poa 4) The mounting hole for the roll pin is Ø8mm and must be drilled into the cross tube.

In addition, observe the installation guidelines of the vehicle manufacturer and the manufacturer of the hitch ball.

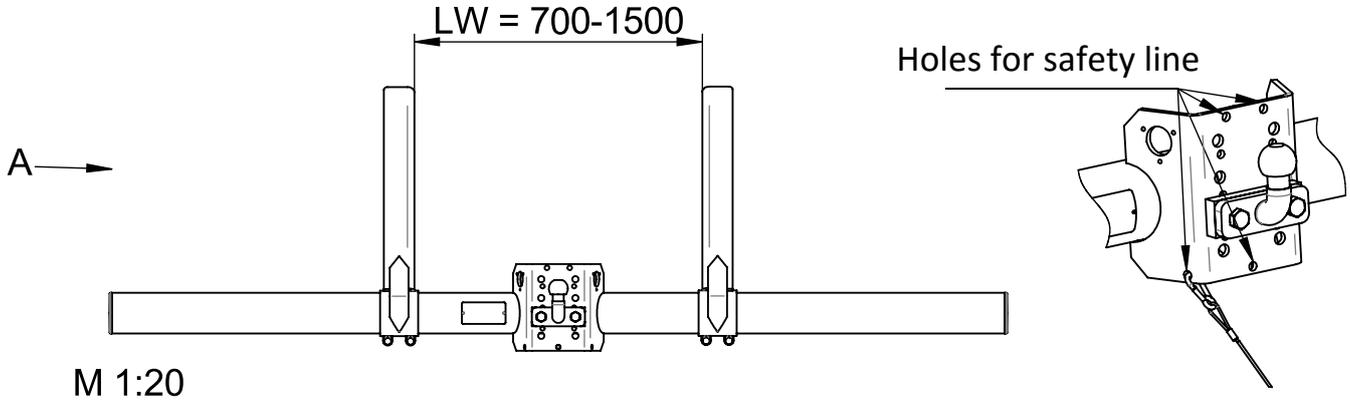
**Maintenance:**

All bolted connections shall be quarterly checked for tightness and tightened if necessary.

Deviations from these instructions only with the approval of the manufacturer.

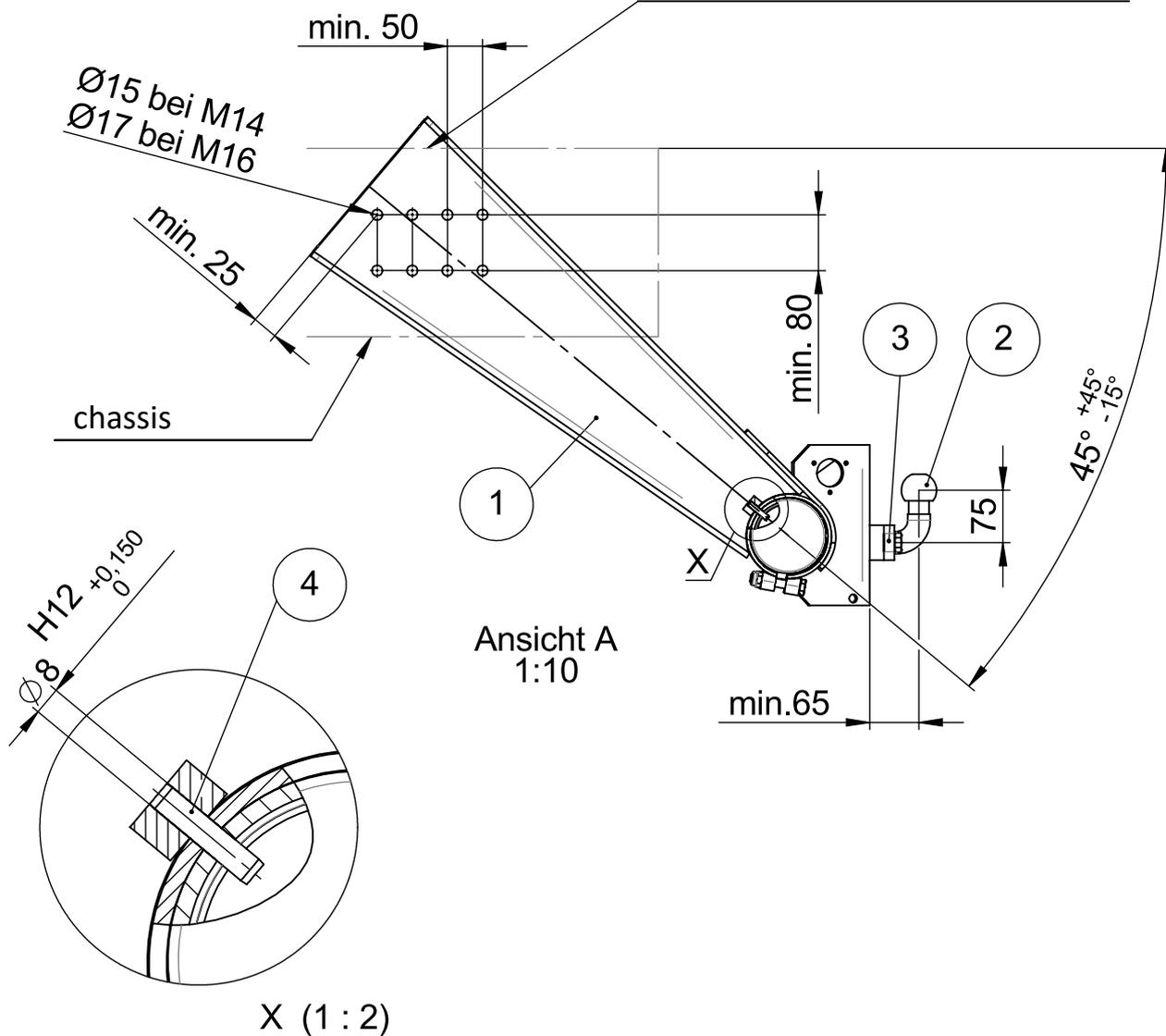
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M 1:20

Excess side plate may be removed

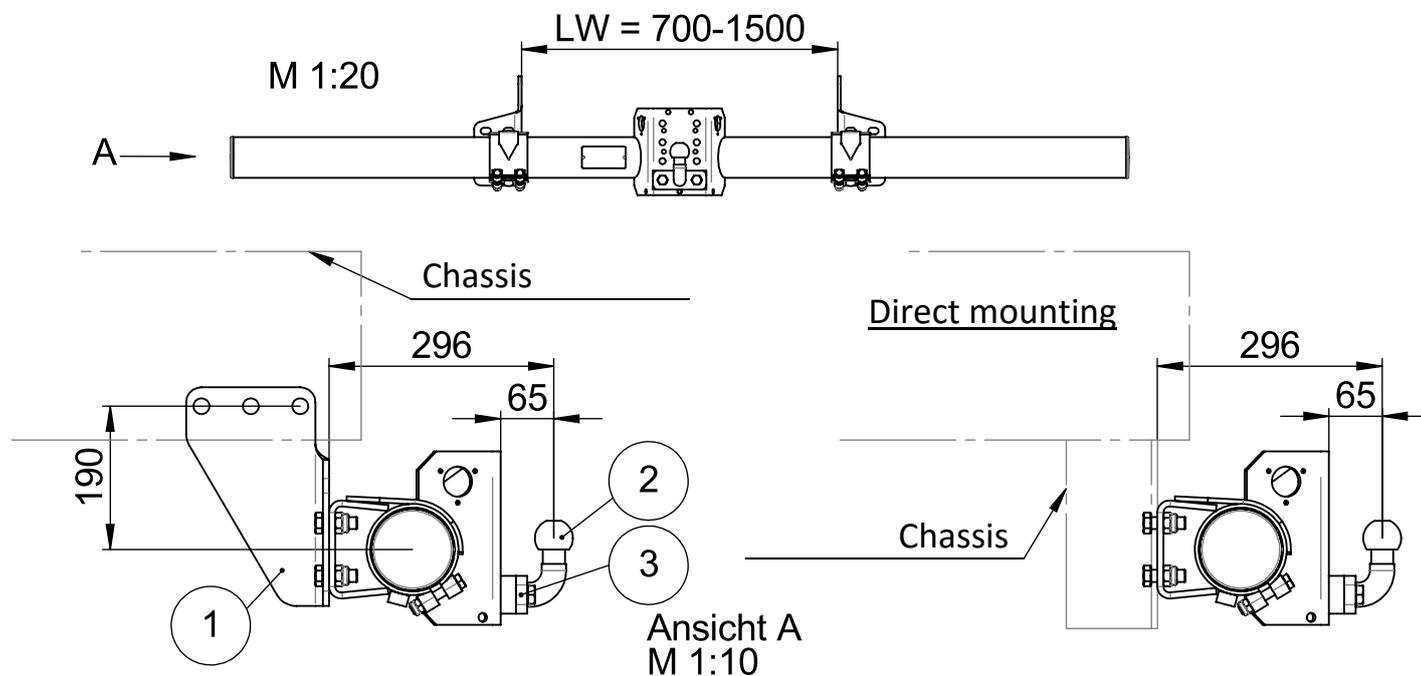


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MA-064	Bearb.	05.04.2013	Joachim

Installation instructions for under run bar with coupling mounting

Type: WUB-ZKK, Type B (with under run bar WUF 100 S), ECE approval number: E4-55R-010 320



**Assembly:**

The angle brackets (pos 1) are bolted on the left and right rear of the vehicle chassis, or optionally on to drop plate/draw beam assembly.

**Fixing bolts;**

hex screws M20 in appropriate length, DIN 931 or DIN 933, strength class 8.8 or 10.9  
hex nuts M20, DIN 980, strength class 8 or 10. Or DIN 934, strength class 8 or 10 with washer 21 DIN 125 –St.  
Mounting torque: 395 Nm at strength class 8.8 Mounting torque: 560 Nm at strength class 10.9

**Optional fasteners;**

hex screws M16, DIN 933 - 8.8 or 10.9, with hex nuts M16 - DIN 980 - 8 or 10  
or DIN 934 - 8 or 10, with washer DIN 125.  
The tightening torque is 195 Nm at strength class 8 and 290 Nm at strength class 10.

or

Flange screws DIN 6921, M16x1,5 - 10.9, with flange nuts DIN 6927, M16 - 10.9  
The tightening torque is 250 Nm.

The towbar fitting on the cross tube can accept a suitable type approved ball/ pin coupling, (pos. 2). The clearance for the hitch ball must be at least 65 mm from the mounting face. If necessary, a type-approved intermediate plate (item 3) must be fitted. The manufacturer's instructions of the hitch must be observed.

The cross tube is pushed through the ends of the clamps and fixed by tightening the hex screws symmetrically to the vehicle centre. The tightening torque is 80 Nm. DIN 7343.

In addition - to be secured against rotation - the cross tube must be secured with a roll pin, 8x36. (Pos 4) The mounting hole for the roll pin is Ø8mm and must be drilled into the cross tube.

In addition, observe the installation guidelines of the vehicle manufacturer and the manufacturer of the hitch ball.

**Maintenance:**

All bolted connections shall be quarterly checked for tightness and tightened if necessary.  
Deviations from these instructions allowed only with the approval of the manufacturer.

This document replaces previous MA-064 version dated 23/06/2008

Nummer	3/3	Datum	Name
MA-064	Bearb.	05.04.2013	Joachim