

DESTINATION

Tow bar **C-035** for a **Citroen C5 (4/5D)** is designed for towing a trailer. This ball hook has a current certification of approval authorizing the product with **e20** certification sign.

FITTING CONDITIONS

Tow bar **C-035** can be used and operated in a car with proper technical conditions of body elements. Those parts cannot be mechanically damaged. The ball hook has to be installed and operated in a car according to this instruction. All bolts and nuts in ball hook have to be screwed down with proper torque (M₀). Torque values are given below:

M8	-	25 (Nm)	M12	-	85 (Nm)
M10	-	50 (Nm)	M16	-	200 (Nm)

OPERATION CONDITIONS

The tow bar **C-035** has a rating plate describing correct and safe loads of the hook:

Typ: C-035 A50-X e20 0109-00 D = 9,3 kN S = 75 kg R = 1800 kg	The tow bar for Citroen C5 (4/5D) Tow bar class (compressing device) Tow bar certification of approval number Teoretical related force working on a ball hook Max permissible vertical load of the hook ball Max permissible load of towing trailer
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D - force is calculated using the following formula:

$$D = g \times \frac{T \times R}{T + R} \text{ kN}$$

T-technically permissible maximum mass in tonnes of the towing vehicale (also towing tractors) including, if neccessary, the vertical load of a centrale axle trailer.
 R-technically permissible maximum mass in tonnes of the full trailer with drawgal free to move in the vertical plane or of the semi-trailer.
 g-acceleration due to gravity(assumed as 9,81 m/s²)

During operating individual elements of ball hook should be kept in a proper technical condition and protected from corrosion. The trailer must be linked with an elastic joint with proper durability (cord , chain) while towing .It is necessary to check periodically bolt joints during operating the ball hook. If screws are eased , it is necessary to screw them down .

FITTING

The tow bar **C-035** for **Citroen C5 (4/5D)** is made up of the following elements :

1. Tow bar mainfame	- 1 piece	7. Spring washer	10,2	- 6 pieces
2. Tow ball	- 1 piece	8. Spring washer	12,2	- 2 pieces
3. Electrical plate	- 1 piece	9. Flat washer	13,0	- 2 pieces
4. Spacer	- 2 pieces	10.Flat washer	10,5	- 6 pieces
5. Bolt M12x100	- 2 pieces	11.Nut M12		- 2pieces
6. Bolt M10x35	- 6 pieces			

Follow the general directions in order to fit **C-035** tow bar properly

- 1.Rear bumper cutting is required.
- 2.Dismantle the rear bumper of the car with the bottom shield and remove left plastic shield.

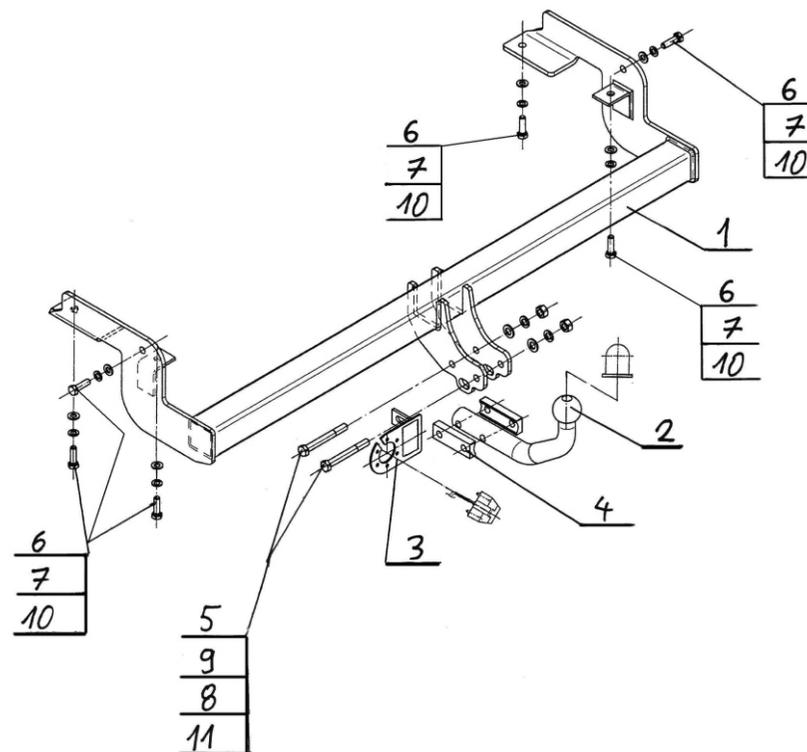
- 3.Put (1) to the chassis side members and attach using (6), (7), (10).
- 4.Attach the left plastic shield.
- 5.Put the bottom shield of the bumper and mark the place and size of cut-out-undercut from the right side for the support and undercut on the centre for the holder of tow ball.
- 6.Attach the bottom shield.
- 7.Put the bumper, mark and make the cut-out for the holder of tow ball.
- 8.Refit the bumper.
9. Attach (2) with (4) to (1) using (5), (9), (8) and (11) add (2) on left side of (3) at the same time.
- 10.Check if all fixing bolts and nuts are correctly tightened.

Obeying this instruction assures correct montage and the tow bar operating in a Citroen C5 (4/5D)

After assembling of the tow bar **C-035** you have to get entry in cars **registration book** in a quality control station .

CAUTION :

All mechanical damages of tow bar excludes its further exploitation . Damaged ball hook **cannot be repaired**. In case of braking the rules of montage or unproper usage manufacturer **do not take responsibility** for arised damages .

MONTAGE DIAGRAM :

NOTE :

Bunch of wires is not included (in total price).