



DIN EN ISO 9001
Zertifikat Nr. 71 100 D 366

Cat. No.C-129

DESTINATION

Tow bar **C-129** for a **Citroen Xsara Picasso (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-129** 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 (Mo). Torque values are given below:

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

OPERATION CONDITIONS

The tow bar **C-129** has a rating plate describing correct and safe loads of the hook:

| | |
|--------------------|---|
| Typ: C-129 | The tow bar for Citroen Xsara Picasso (5D) |
| A50-X | Tow bar class (compressing device) |
| e20 0492-00 | Tow bar certification of approval number |
| D = 7,6 kN | Teoretical related force working on a ball hook |
| S = 80 kg | Max permissible vertical load of the hook ball |
| R = 1300 kg | Max permissible load of towing trailer |

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-129** for **Citroen Xsara Picasso (5D)** is made up of the following elements :

- | | | | |
|----------------------------------|------------|------------------------|------------|
| 1. Tow bar's body | - 1 piece | 12. Bolt M12x65 | - 2 pieces |
| 2. Tow ball | - 1 piece | 13. Flat washer 8,4 | - 4 pieces |
| 3. Electrical socket holder | - 1 piece | 14. Flat washer 10,5 | - 8 pieces |
| 4. Right support | - 1 piece | 15. Flat washer 13,0 | - 2 pieces |
| 5. Left support | - 1 piece | 16. Spring washer 8,2 | - 2 pieces |
| 6. Steel plate | - 2 pieces | 17. Spring washer 10,2 | - 8 pieces |
| 7. Distance sleeve 15,3/ 10,5x53 | - 4 pieces | 18. Spring washer 12,2 | - 2 pieces |
| 8. Special washer 40/ 10,5x3 | - 4 pieces | 19. Nut M8 | - 2 pieces |
| 9. Bolt M8x30 | - 2 pieces | 20. Nut M10 | - 8 pieces |
| 10. Bolt M10x40 | - 4 pieces | 21. Nut M12 | - 2 pieces |
| 11. Bolt M10x90 | - 4 pieces | | |

Follow the general directions in order to fit **C-129** tow bar properly:

- 1.Rear bumper cutting or dissassembly is **not required**.
- 2.Dismantle a tow bar into kit-form elements.
- 3.Dismantle spare wheel (only for tow bar's fitting time)
- 4.Take down from rear hanger in order to get easier access to longitudinal stringers.
- 5.Insert (7) into factory holes in longitudinal stringers.
- 6.Screw (4) and (5) to left & right longitudinal stringer using (11), (8), (14), (17), (20).
- 7.Put (1) to the back strip and screw with factory holes on the back strip using (9) together with (6), (13), (16), (19).
- 8.Then screw (1) with supports (4) and (5) using (10), (14), (17), (20).
- 9.Place (2) into (1) using (12), (18), (15), (21), screwing (3) on the left side of (2) at the same time.
- 10.Hang the muffler and mount the spare wheel.
- 11.Check if all fixing bolts and nuts are screwed hard enough.

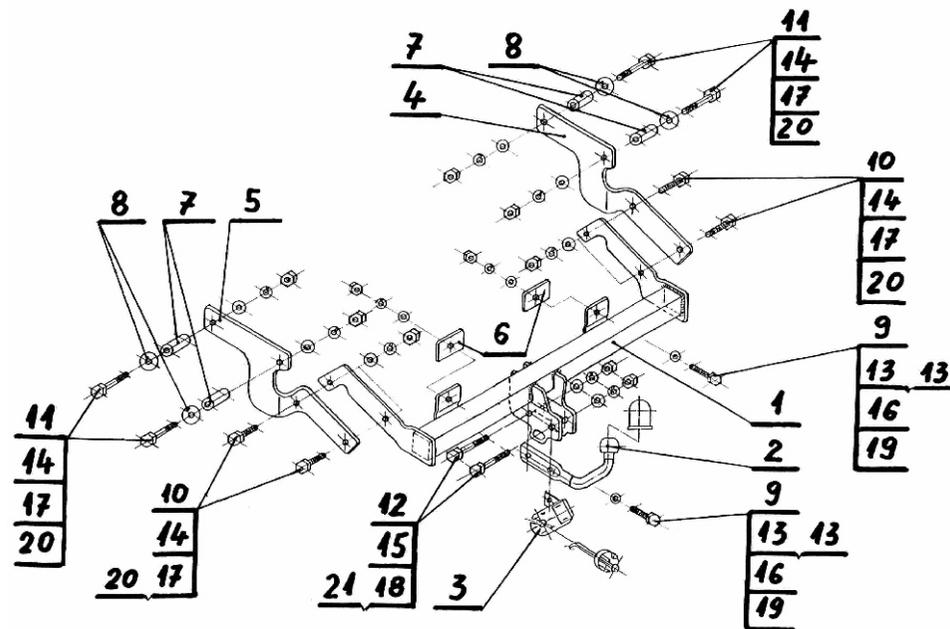
Obeying this instruction assures correct montage and the tow bar operating in a Citroen Xsara Picasso (5D).

After assembling of the tow bar **C-129** 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).