

**DESTINATION**

Tow bar **F-267** for a **Ford Mondeo (5D)** is designed for towing a trailer. This ball hook has a current certification of approval authorizing the product with **e4** certification sign.

**FITTING CONDITIONS**

Tow bar **F-267** 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 **F-267** has a rating plate describing correct and safe loads of the hook:

Typ: <b>F-267</b>	The tow bar for <b>Ford Mondeo (5D)</b>
<b>A50-X</b>	Tow bar class ( compressing device )
<b>e4</b> <b>00 - 3952</b>	Tow bar certification of approval number
<b>D = 11,6 kN</b>	Theoretical related force working on a ball hook
<b>S = 90 kg</b>	Max permissible vertical load of the hook ball
<b>R = 2150 kg</b>	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 vehicle (also towing tractors) including, if necessary, 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/s<sup>2</sup>)

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 **F-267** for **Ford Mondeo (5D)** is made up of elements as follows :

- |                               |            |                        |            |
|-------------------------------|------------|------------------------|------------|
| 1. Towbar mainframe           | - 1 piece  | 7. Bolt M12x65         | - 2 pieces |
| 2. Tow ball                   | - 1 piece  | 8. Spring washer Ø10,2 | - 6 pieces |
| 3. Electrical socket plate    | - 1 piece  | 9. Spring washer Ø12,2 | - 2 pieces |
| 4. Special washer Ø40/Ø10,5x3 | - 6 pieces | 10.Flat washer Ø13,0   | - 2 pieces |
| 5. Holder - set               | - 2 pieces | 11.Nut M12             | - 2 pieces |
| 6. Bolt M10x40                | - 6 pieces |                        |            |

Follow the general directions in order to fit **F-267** tow bar properly:

- 1.Rear bumper cutting is not required. Rear bumper removal is necessary.
- 2.Remove rear bumper and metal-strengthening ( the strengthening will not be used anymore).
- 3.Lover the silencer and remove thermal-protection sheet.

- 4.Attach (1) to the car chassis side members and tight using (6) in accordance to the drawing.
- 5.Refit thermal-protection sheet and silencer.
- 6.Refit the rear bumper.
- 7.Attach (2) and (3) to the (1), using (7) according the drawing.

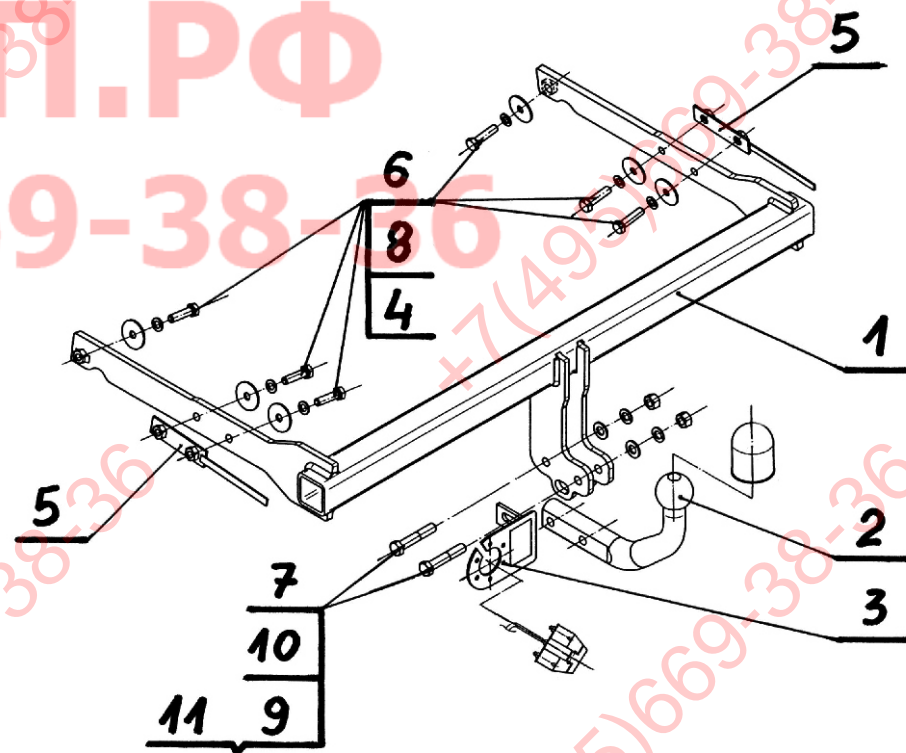
**Obeying this instruction assures correct montage and the tow bar operating in a Ford Mondeo (5D).**

After assembling of the tow bar **F-267** 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).