

DESTINATION

Tow bar **F-268** 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-268** 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-268** has a rating plate describing correct and safe loads of the hook:

Typ: F-268	The tow bar for Ford Mondeo (5D)
F	Tow bar class (compressing device)
e4 00 - 3958	Tow bar certification of approval number
D = 11,6 kN	Theoretical related force working on a ball hook
S = 90 kg	Max permissible vertical load of the hook ball
R = 2150 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 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/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 **F-268** for **Ford Mondeo (5D)** is made up of elements as follows :

- | | | | |
|-------------------------------|------------|------------------------|------------|
| 1. Towbar mainframe | - 1 piece | 7. Bolt M10x40 | - 6 pieces |
| 2. Tow ball (ACS-3007) | - 1 piece | 8. Bolt M12x25 | - 3 pieces |
| 3. Socket hook ball holder | - 1 piece | 9. Bolt M12x30 | - 1 piece |
| 4. Electrical socket plate | - 1 piece | 10.Spring washer Ø10,2 | - 6 pieces |
| 5. Holder - set | - 2 pieces | 11.Spring washer Ø12,2 | - 4 pieces |
| 6. Special washer Ø40/Ø10,5x3 | - 6 pieces | | - 4 pieces |

Follow the general directions in order to fit **F-268** 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 (7) in accordance to the drawing.
- 5.Refit thermal-protection sheet and silencer.
- 6.Refit the rear bumper.
- 7.Attach (3) and (4) to the (1), using (8) and (9) according to the drawing.
- 8.Fix (2) to (3) according to the instruction.

Caution:

Different types of (2) may be attached to the (1) only if:

- 1.The adapted tow has its own information label with homologation number
- 2.D and S values are equal or higher than (1) values.
- 3.Tow ball centre-point is in accordance with the drawing

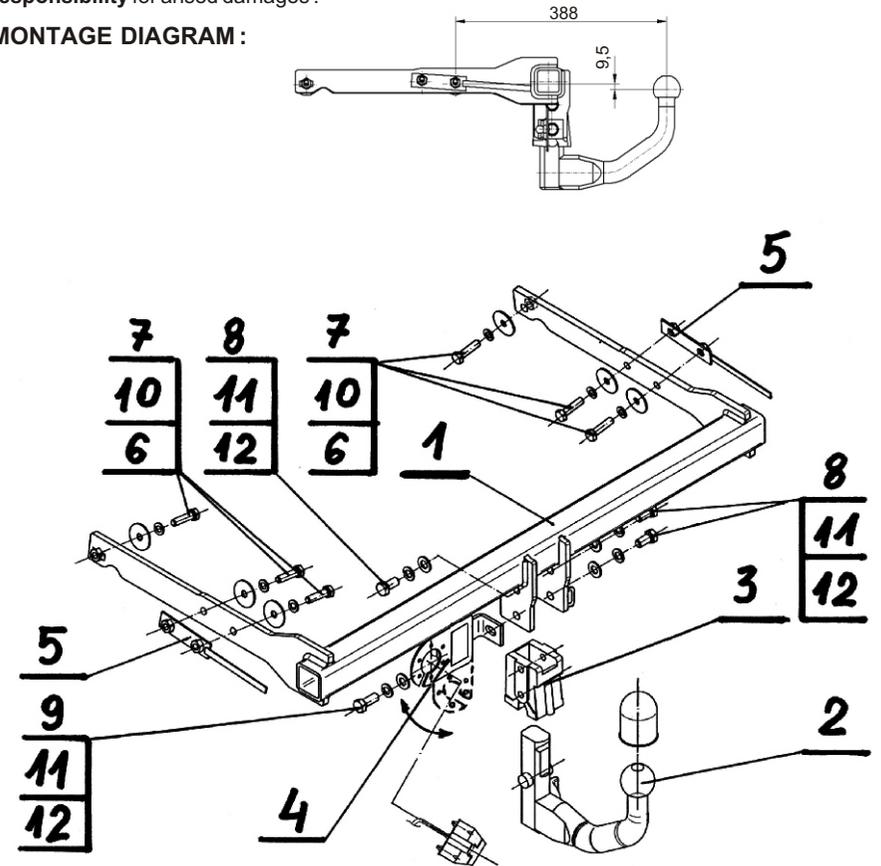
Obeying this instruction assures correct montage and the tow bar operating in a Ford Mondeo (5D).

After assembling of the tow bar **F-268** 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).