

DESTINATION

Tow bar **F-263** for a **Ford Mondeo Wagon** 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 **F-263** 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-263** has a rating plate describing correct and safe loads of the hook:

Typ: F-263 A50-X e20 0164-00 D = 11,0 kN S = 80 kg R = 2000 kg	The tow bar for Ford Mondeo Wagon Tow bar class (compressing device) Tow bar certification of approval number Theoretical 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 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-263** for **Ford Mondeo Wagon** is made up of the following elements:

- | | | | |
|----------------------------------|------------|------------------------|------------|
| 1. Towbar mainframe | - 1 piece | 8. Bolt M12x35 | - 4 pieces |
| 2. Tow ball | - 1 piece | 9. Bolt M12x65 | - 2 pieces |
| 3. Electrical socket plate | - 1 piece | 10. Bolt M10x130 | - 6 pieces |
| 4. Right support | - 1 piece | 11. Spring washer 10,2 | - 6 pieces |
| 5. Left support | - 1 piece | 12. Spring washer 12,2 | - 6 pieces |
| 6. Distance sleeve 17,3/ 10,5x93 | - 6 pieces | 13. Flat washer 10,5 | - 6 pieces |
| 7. Special washer 40/ 10,5x2,5 | - 6 pieces | 14. Flat washer 13,0 | - 4 pieces |
| | | 15. Nut M10 | - 6 pieces |
| | | 16. Nut M12 | - 4 pieces |

Follow the general directions in order to fit **F-263** tow bar properly:

1. Rear bumper both cutting is required.
2. From the bottom of the car unscrew plastic masking.
3. Dismantle rear bumper but only form the bottom (long masking), then put the template according to should be a cut-out made.
4. Lower a muffler from the rear hinge, than unscrew the termal protection.
5. From the outside of the longitudinal stringers insert (6) three on each side - into existing factory-made holes, then insert (10) and (7).
6. Screw (5) to the left longitudinal stringer (the outside) using (15), (13), (11).
7. Screw (4) to the right longitudinal stringer (the inside) using (15), (13), (11).
8. To so prepared elements (4) and (5) screw (1) with (8), (14), (12), (16) bend the bumper masking, that enable you to insert (1).
9. From the bottom screw the rear bumper of a car.
10. Place (2) into (1) using (9), (14), (12), (16), screwing (3) on the left side of (2) at the same time.
11. Check if all fixing bolts and nuts are screwed hard enough.

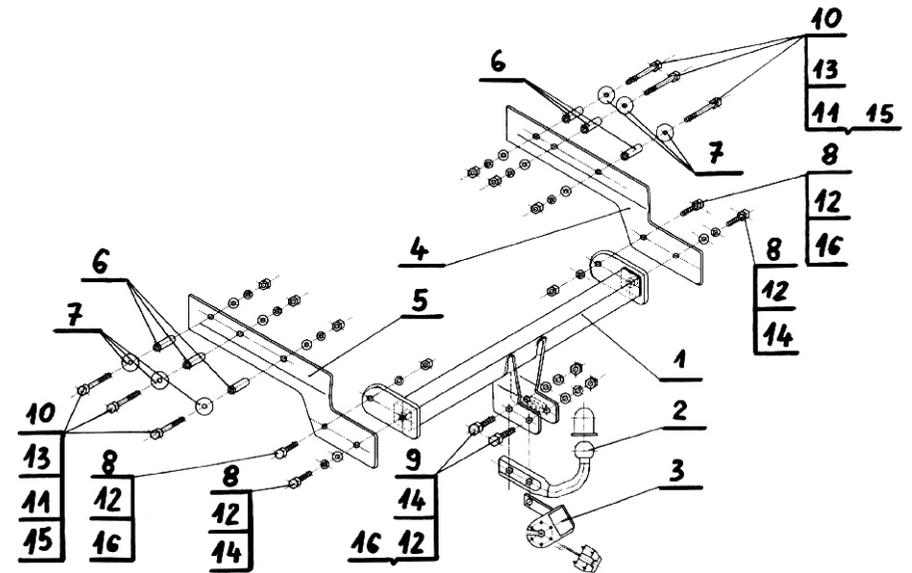
Obeying this instruction assures correct montage and the tow bar operating in a Ford Mondeo Kombi.

After assembling of the tow bar **F-263** 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).