

DESTINATION

Tow bar **V-126** for a **VW Transporter T5** 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 **V-126** 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 **V-126** has a rating plate describing correct and safe loads of the hook :

Typ: V-126 A50-X e20 0543-00 D = 14,2 kN S = 120 kg R = 2800 kg	The tow bar for VW Transporter T5 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 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 **V-126** for **VW Transporter T5** is made up of the following elements :

- | | | | |
|--------------------------------|------------|-----------------------|------------|
| 1. Towbar mainframe | - 1 piece | 5. Spring washer 12,2 | - 6 pieces |
| 2. Tow ball | - 1 piece | 6. Nut M12 | - 2 pieces |
| 3. Special washer 40/ 12,5x2,5 | - 6 pieces | 7. Protection insert | - 1 piece |
| 4. Bolt M12x30 | - 6 pieces | 8. Protection cover | - 1 piece |

Follow the general directions in order to fit **V-126** towbar properly:

- 1.Rear bumper cutting is not required.
- 2.Take the towbar to pieces and remove the rear bumper. Check all parts are present
- 3.Remove the rear bumper strengthening (it will not be mount again).
- 4.Insert (1) inside the chassis side members and next screw (1) with four deepest holes using (4) together with (5) and (3).

- 5.Screw (1) with two left holes using (4) together with (5), (3) and (6) putted from inside of chassis side members.
- 6.Mount the rear bumper.
- 7.Check if all bolts and nuts are correctly tightened.

Towball mounting and dismounting

- 1.Turn (10) left und unblock (9). Pull (9) and turn it 90° down. Slacken (11) turning left.
- 2.Put (2) to (1) and turn (9) to home (vertical) position. Next turn hard (11) and (10).
- 3.Towball dismounting carry out in reverse order.
- 4.In case of temporary towball disusing stop a towball hole using (7) and preserve (9) using (8).

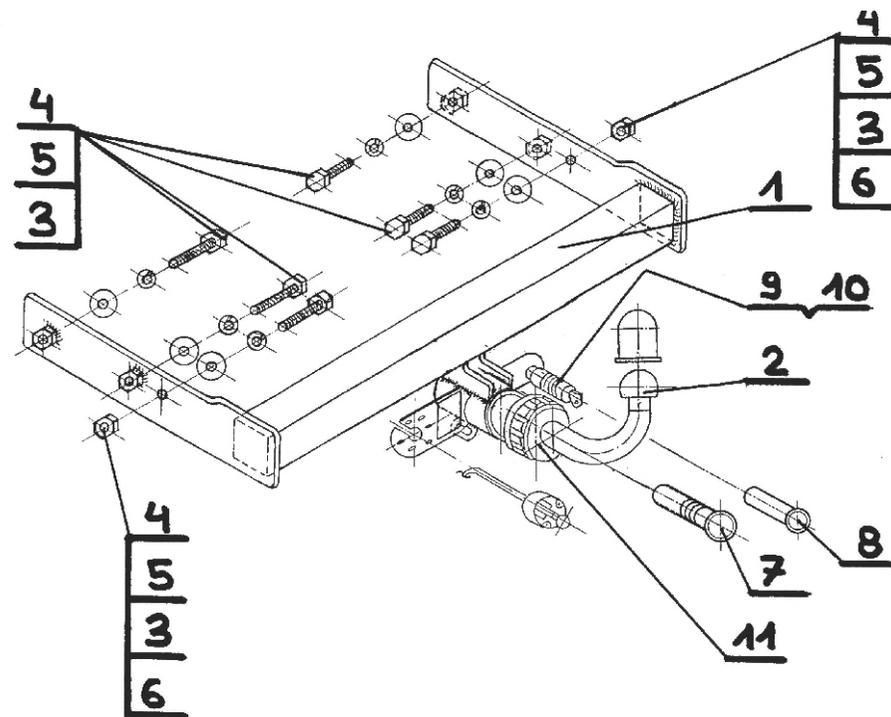
Obeying this instruction assures correct montage and the tow bar operating in a VW Transporter T5.

After assembling of the tow bar **V-126** 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).