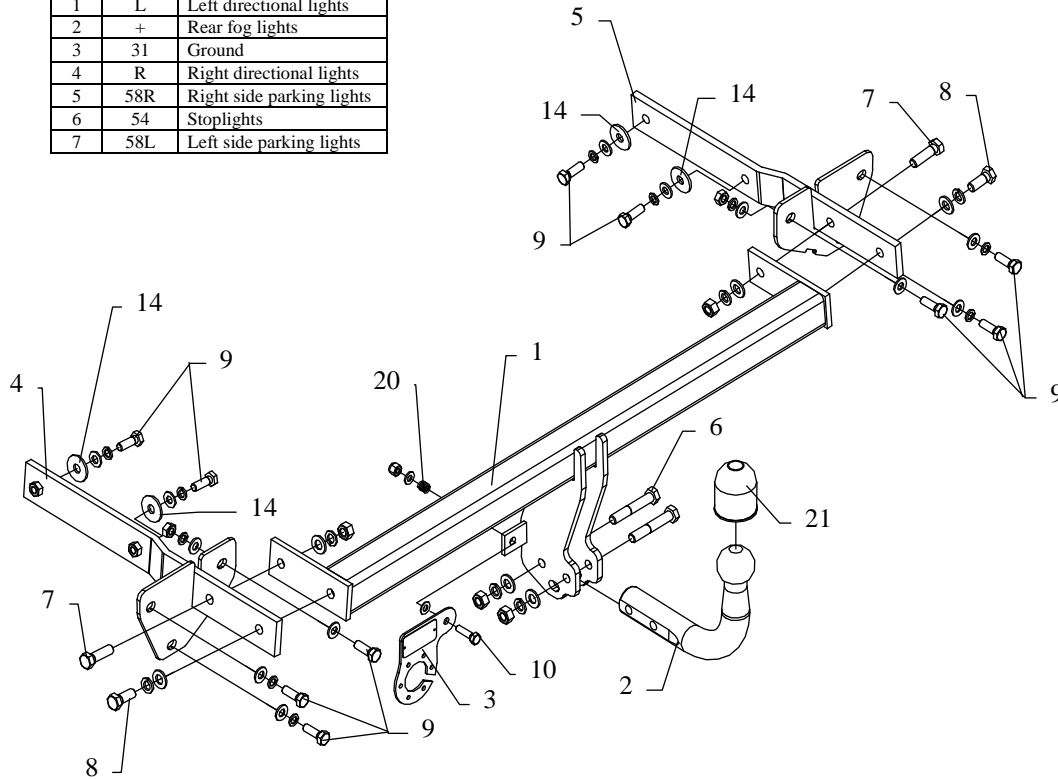


FITTING INSTRUCTION

Clamp mark in acc. with		Cables joining
ISO	PN	
1	L	Left directional lights
2	+	Rear fog lights
3	31	Ground
4	R	Right directional lights
5	58R	Right side parking lights
6	54	Stoplights
7	58L	Left side parking lights



This towbar is designed to assembly in following cars:
MERCEDES W169, A-class, 3/5 doors, produced since 2004 and
MERCEDES W245, B-class, 5 doors, produced since 06.2005 catalogue number **D32** and is prepared to tow trailers max total weight **1500 kg** and max vertical load **80 kg**.

From manufacturer

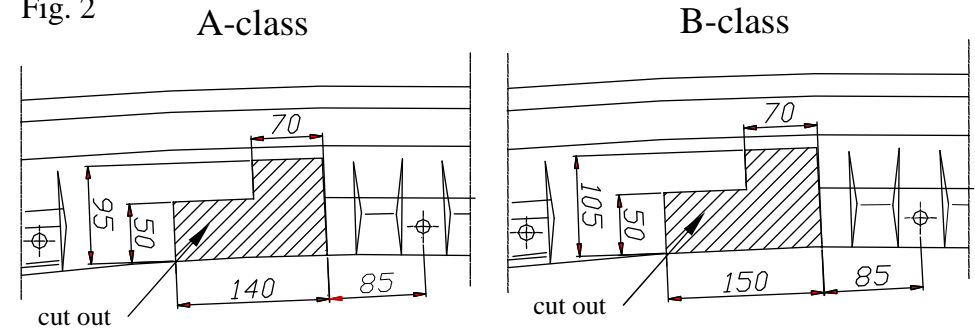
Thank you for buying our product. Their reliability has been confirmed in many tests. Reliability of towbar depends also on correct assembly and correct exploitation. For this reasons we kindly ask to read carefully this instruction and apply to hints.

The towbar should be install in points described by a car producer.

The instruction of the assembly

1. Disassemble a spare wheel.
2. Disassemble plastic protective caps.
3. Disassemble a bumper together with metal reinforcement (reinforcement not used any more).
4. Remove rubber plugs of holes.
5. Fix side brackets (pos. 4 and 5) by bolts M10x30mm (pos. 9).
6. Between installed brackets put main bar of the towbar (pos. 1) and fix it using bolts M12x30mm (pos. 8) and M12x40mm (pos. 7).
7. Fix tow-ball (pos. 2) and socket plate (pos. 3) using bolts M12x70mm (pos. 6) from accessories.
8. Fix the socket plate (pos. 3) as shown on the drawing.
9. Fix tight all bolts according to the torque shown in the table.
10. Reassemble the bumper after cut out fragment in bottom, central part fragment according to figure 2.
11. Connect electric wires according to the instruction of the car. (Recommend to make at authorized service station)
12. Complete the paint coating damaged during installation.

Fig. 2



Torque settings for nuts and bolts (8,8):

M6 - 11 Nm	M8 - 25 Nm	M10 - 50 Nm
M12 - 87 Nm	M14 - 138 Nm	M16 - 210 Nm

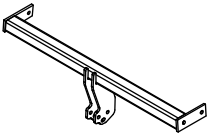






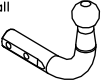







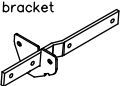


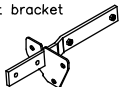


NOTE

After install the towbar you should get adequate note in registration book (at authorised service station).The car should be equipped with:

- Indicators
- Tow mirrors

After 1000km check all bolts. The ball of towbar must be always kept clear and conserve with a grease.

Towbar accessories:

Pos. 1 Name: Main bar Quantity: 1 	Pos. 6 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x70mm 	Pos. 12 Name: Nut 8 B Quantity: 2 Dim.: M10 	Pos. 18 Name: Spring washer Quantity: 6 Dim.: Ø 12,2 mm 
	Pos. 7 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x40mm 	Pos. 13 Name: Nut 8 B Quantity: 1 Dim.: M8 	Pos. 19 Name: Spring washer Quantity: 10 Dim.: Ø 10,2 mm 
Pos. 2 Name: Tow ball Quantity: 1 	Pos. 8 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x30mm 	Pos. 14 Name: Washer Quantity: 4 Dim.: Ø35xØ12x3mm 	Pos. 20 Name: Spring Quantity: 1 
Pos. 3 Name: Socket plate Quantity: 1 	Pos. 9 Name: Bolt 8,8 B Quantity: 10 Dim.: M10x30mm 	Pos. 15 Name: Plain washer Quantity: 6 Dim.: Ø 13 mm 	Pos. 21 Name: Ball cover Quantity: 1 
Pos. 4 Name: Left bracket Quantity: 1 	Pos. 10 Name: Bolt 8,8 B Quantity: 1 Dim.: M8x30mm 	Pos. 16 Name: Plain washer Quantity: 12 Dim.: Ø 10,5 mm 	
Pos. 5 Name: Right bracket Quantity: 1 	Pos. 11 Name: Nut 8 B Quantity: 4 Dim.: M12 	Pos. 17 Name: Plain washer Quantity: 2 Dim.: Ø 8,5 mm 	



PPUH AUTO-HAK S.J.

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E-mail: office@autohak.com.pl
www. autohak.com.pl

Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **D32**

Designed for:

Manufacturer: **MERCEDES**

Model: **W169**

Type: **A-class, 3/5 doors**

produced since 2004

Manufacturer: **MERCEDES**

Model: **W245**

Type: **B-class, 5 doors**

produced since 06.2005

Technical data:

D-value: 8,5 kN

maximum trailer weight: **1500 kg**

maximum vertical cup load: **80 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0018*01

Foreword

This towbar is designed according to rules of safety traffic regulations. The towing hitch is a safety component and can be install only by qualified personnel. Any alteration or conversion of the towing hitch is prohibited and would lead to cancellation of design certification. Remove insulating compound and underseal from vehicle (if present) in the area of the matting surfaces of the towing hitch.

The vehicle manufacturer's specifications regarding trailer load and max. vertical cup load are decisive for driving whereat values for the towing hitch cannot be exceeded.

D-value formula:

$$\frac{\text{Max trailer weight [kg]} \times \text{Max vehicle weight [kg]}}{\text{Max trailer weight [kg]} + \text{Max vehicle weight [kg]}} \times \frac{9,81}{1000} = D \text{ [kN]}$$