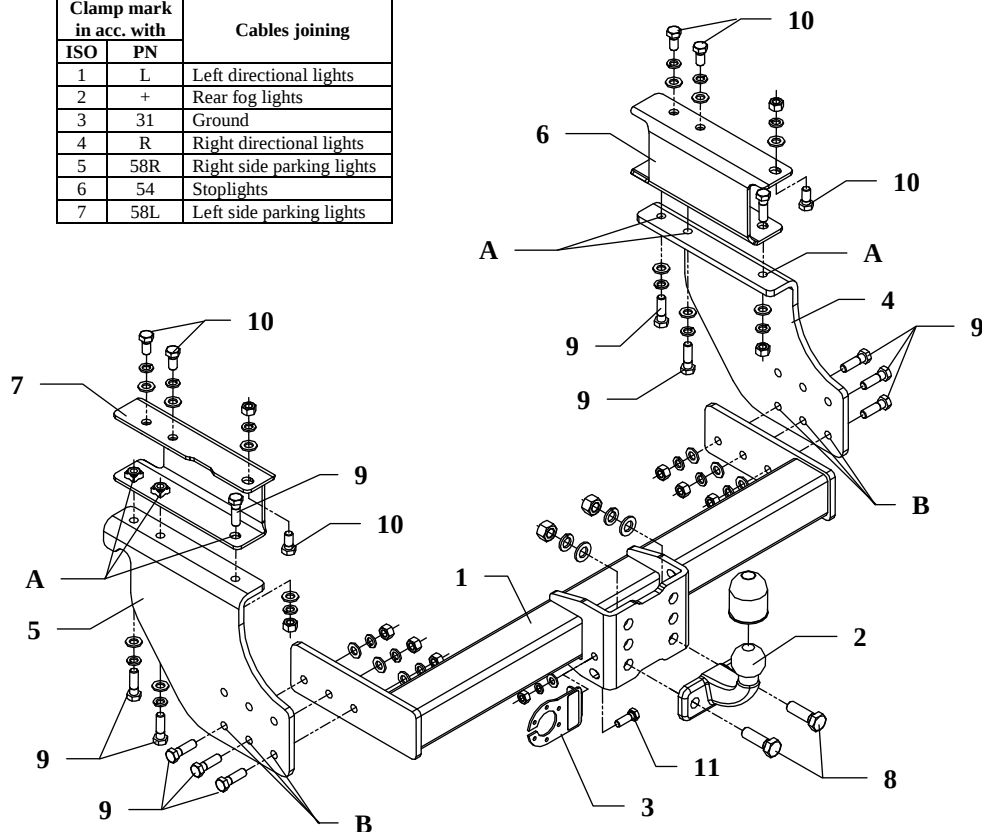


## FITTING INSTRUCTION

| Clamp mark<br>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 towing hitch is designed to assembly in following cars:

**IVECO DAILY 35C/50C, metal built-up, loading platform, with step**, produced since 05.1999 till 12.2010 and since 01.2011 till 06.2014, catalogue no. **R29** and is prepared to tow trailers max total weight up to **3500 kg** and max vertical mass **100 kg**.

### *From manufacturer*

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

*The towing hitch should be installing in points described by a car producer.*

## The instruction of the assembly

1. Channel sections (pos. 6 and 7) put on the left and right side of chassis members in this way, so holes A in elements 6 and 7 agree with original holes in the members.
2. Side brackets (pos. 4 and 5) put from below to the frame and through holes A, existing holes (in chassis) and holes in elements (pos. 6 and 7) fix all using bolts M12x40mm (pos. 9).
3. Main bar of the towing hitch (pos. 1) fix using bolts M12x40mm (pos. 9) through holes B to mounted brackets (pos. 4 and 5).
4. Fix tow-ball (pos. 2) using bolts M16x50mm (pos. 8) from accessories.
5. Fix socket plate (pos. 3) using bolt M10x30mm (pos. 11).
6. Tighten all bolts according to the torque shown in the table.
7. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
8. Complete paint layer damaged during installation.

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

|                    |                     |                     |
|--------------------|---------------------|---------------------|
| <b>M6</b> - 11 Nm  | <b>M8</b> - 25 Nm   | <b>M10</b> - 50 Nm  |
| <b>M12</b> - 87 Nm | <b>M14</b> - 138 Nm | <b>M16</b> - 210 Nm |

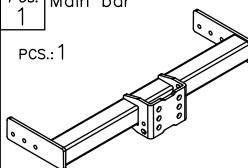
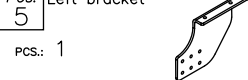
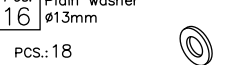
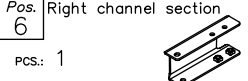
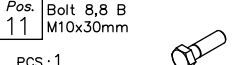
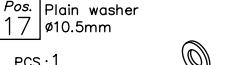
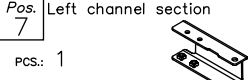
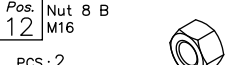
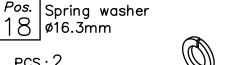
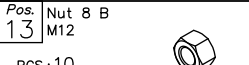
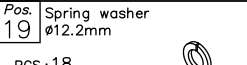
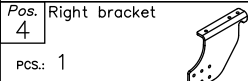
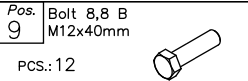
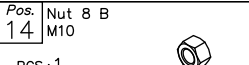
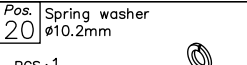
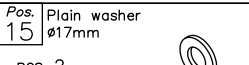
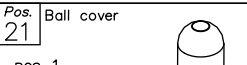
## NOTE

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

- Indicators
- Tow mirrors

Check all bolts and nuts after 1000km of exploitations. The ball of towing hitch must be always kept clear and conserve with a grease.

## Towing hitch equipment:

|                                                                                                                        |                                                                                                                                 |                                                                                                                                |                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Pos. 1<br>Main bar<br>PCS.: 1<br>      | Pos. 5<br>Left bracket<br>PCS.: 1<br>          | Pos. 10<br>Bolt 8,8 B M12x25mm<br>PCS.: 6<br> | Pos. 16<br>Plain washer ø13mm<br>PCS.: 18<br>    |
|                                                                                                                        | Pos. 6<br>Right channel section<br>PCS.: 1<br> | Pos. 11<br>Bolt 8,8 B M10x30mm<br>PCS.: 1<br> | Pos. 17<br>Plain washer ø10.5mm<br>PCS.: 1<br>   |
| Pos. 2<br>Tow ball<br>PCS.: 1<br>      | Pos. 7<br>Left channel section<br>PCS.: 1<br>  | Pos. 12<br>Nut 8 B M16<br>PCS.: 2<br>         | Pos. 18<br>Spring washer ø16.3mm<br>PCS.: 2<br>  |
| Pos. 3<br>Socket plate<br>PCS.: 1<br>  | Pos. 8<br>Bolt 8,8 B M16x50mm<br>PCS.: 2<br>   | Pos. 13<br>Nut 8 B M12<br>PCS.: 10<br>        | Pos. 19<br>Spring washer ø12.2mm<br>PCS.: 18<br> |
| Pos. 4<br>Right bracket<br>PCS.: 1<br> | Pos. 9<br>Bolt 8,8 B M12x40mm<br>PCS.: 12<br>  | Pos. 14<br>Nut 8 B M10<br>PCS.: 1<br>         | Pos. 20<br>Spring washer ø10.2mm<br>PCS.: 1<br>  |
|                                                                                                                        |                                                                                                                                 | Pos. 15<br>Plain washer ø17mm<br>PCS.: 2<br>  | Pos. 21<br>Ball cover<br>PCS.: 1<br>             |



## PPUH AUTO-HAK Sp.J.

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[www.autohak.com.pl](http://www.autohak.com.pl)

## Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **R29**

Designed for:

Manufacturer: **IVECO**

Model: **DAILY 35C/50C**

Type: **metal built-up,**

**loading platform, with step**

produced since 05.1999 till 12.2010 and  
since 01.2011 till 06.2014

Technical data:

**D-value: 20,52 kN**

maximum trailer weight: **3500 kg**

maximum vertical cup mass: **100 kg**

**Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 1802**

## Foreword

This towing hitch 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 mass and max. vertical cup mass are decisive for driving whereat values for the towing hitch cannot be exceeded.

*D-value formula:*

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