



ETA-Danmark A/S  
Göteborg Plads 1  
DK-2150 Nordhavn  
Tel. +45 72 24 59 00  
Fax +45 72 24 59 04  
Internet [www.etadanmark.dk](http://www.etadanmark.dk)

Authorised and notified  
according to Article 29 of the  
Regulation (EU)  
No 305/2011 of the European  
Parliament and of the Council of  
9 March 2011

MEMBER OF EOTA



## European Technical Assessment ETA-10/0210 of 2024/04/04

### I General Part

**Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S**

**Trade name of the construction product:**

Gust. Alberts GmbH & Co. KG post bases type 326, 327, 345, 345VA, 365, 365v, 365VA, 366, 367, 367VA, 369, 370, 375, 376, 393, 394, 395, 396, 397, 398, 399, 401, 451, 472, 476, 480, 481, 566, 569, 577, 579, 580, 581, 583, 655, 665 and 751

**Product family to which the above construction product belongs:**

Three-dimensional nailing plate (Post bases for the support of timber columns and posts as load-bearing elements)

**Manufacturer:**

Gust. Alberts GmbH & Co. KG  
Blumenthal 2  
D-58849 Herscheid  
Tel. +49 2357 907 0  
E-Mail: [info@alberts.de](mailto:info@alberts.de)  
Internet: [www.alberts.de](http://www.alberts.de)

**Manufacturing plant:**

HW1, HW2, HW3, HW4

**This European Technical Assessment contains:**

33 pages including 2 annexes which form an integral part of the document

**This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:**

EAD 130186-00-0603 for Three-dimensional nailing plates

**This version replaces:**

The previous ETA with the same number issued on 2015-07-02

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

Communication of this European Technical Assessment, including transmission by electronic means, shall be in full (excepted the confidential Annex(es) referred to above). However, partial reproduction may be made, with the written consent of the issuing Technical Assessment Body. Any partial reproduction has to be identified as such.

## **II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT**

### **1 Technical description of product**

The GAH post bases are made of 4.0 mm to 8.0 mm steel plates. The post bases are produced of steel grade S235JR according to EN 10025-2 with a minimum characteristic yield strength of  $R_{eH} = 235 \text{ N/mm}^2$  and a minimum characteristic tensile strength of  $R_m = 360 \text{ N/mm}^2$  or of steel grade 1.4301 according to EN 10088-3 with a minimum characteristic yield strength of  $R_{p0.2} = 190 \text{ N/mm}^2$  and a minimum characteristic tensile strength of  $R_m = 500 \text{ N/mm}^2$ .

For the connections with metal fasteners bolts  $\varnothing 10 \text{ mm}$  and  $\varnothing 12 \text{ mm}$  (S235) with minimum characteristic tensile strength of  $R_m = 360 \text{ N/mm}^2$  and coach screws 8x60 mm and 10x60 mm according to EN 14592 (DIN 571 and thread according to DIN 7998) with minimum characteristic tensile strength of  $R_m = 360 \text{ N/mm}^2$  are used. The screws shall be driven into pre-drilled holes according to EN 1995-1-1, 10.4.5.

The outer diameter for washers of bolts shall be not less than  $3 \cdot d_B$ , where  $d_B$  is the diameter of the bolts. The thickness shall be not less than  $0,3 \cdot d_B$ .

For anchorage in the foundation reinforcement bars or steel profiles are used.

Dimensions are shown in Annex A and B.

### **2 Specification of the intended use in accordance with the applicable European Assessment document (hereinafter EAD)**

The intended use the post bases is the support of timber columns and posts as load-bearing elements, where requirements for mechanical resistance and stability and safety in use in the sense of the Basic Works Requirements 1 and 4 of Regulation (EU) 305/2011 shall be fulfilled.

The static and kinematical behaviour of the timber members or the supports shall be as described in Annex B.

The timber posts may be of solid timber of strength class C24 or better according to EN 338. Minimum dimensions for the post have to be considered (Annex A). The end grain of the timber post in general must be

plane on the base plate of the post base. Post bases type 345, 345VA and 399 may have a clearance between the end grain of the timber post and the base plate of the post base due to constructive wood preservation (maximum 10 mm).

The maximum distance between the foundation and the base plate of the post base shall in general be 50 mm. For post bases type 375, 395, 396, 401, 480, 476, 481, 577, 579, 580, 581 and 583 larger distances are allowed.

Annex B states the load-carrying capacities of the post bases for solid timber of strength class C24 according to EN 338. The design of the connections shall be in accordance with Eurocode 3 and Eurocode 5 or a similar national code. The anchorage of the post base in the foundation and imperfections exceeding the assumptions in Eurocode 5, 5.4.4 are not part of this ETA.

The post bases are for use in timber structures subject to the service classes 1, 2 and 3 of Eurocode 5 and for connections subject to static or quasi-static loading. The corrosion protection is given by stainless steel or zinc coating with minimum thickness of  $55 \mu\text{m}$  according to EN1461. The metal fasteners must also have a zinc coating for the intended use in service class 3 of EN 1995-1-1 (zinc coating Fe/Zn 25c according to EN ISO 2081).

The scope of the post bases regarding resistance to corrosion shall be defined according to national provisions that apply at the installation site considering environmental conditions.

The provisions made in this European Technical Assessment are based on an assumed intended working life of the connectors of 50 years.

The indications given on the working life cannot be interpreted as a guarantee given by the producer or Assessment Body, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

### 3 Performance of the product and references to the methods used for its assessment

| Characteristic   | Assessment of characteristic   |
|--|--|
| <b>3.1 Mechanical resistance and stability (BWR 1)*)</b>             |  |
| Joint Strength - Characteristic load-carrying capacity               | See Annex B  |
| Joint Stiffness  | See Annex B  |
| Joint ductility  | No performance assessed  |
| Resistance to seismic actions  | No performance assessed  |
| Resistance to corrosion and deterioration                            | See section 3.6  |
| <b>3.2 Safety in case of fire (BWR 2)</b>                            |  |
| Reaction to fire   | The post bases are made from steel classified as <b>Euroclass A1</b> in accordance with EN 13501-1 and Commission Delegated Regulation 2016/364  |
| Resistance to fire   | No performance assessed  |
| <b>3.3 General aspects related to the performance of the product</b> |  |
|  | The post bases have been assessed as having satisfactory durability and serviceability when used in timber structures using the timber species described in Eurocode 5 and subject to the conditions defined by service class 1, 2 and 3 |

\*) See additional information in section 3.4 – 3.7.

### 3.4 Methods of verification

The characteristic load-carrying capacities are based on the characteristic values of the connections with metal fasteners, the steel plates and the timber post.

In the case of timber failure or failure of the metal fasteners, the design values shall be calculated according to EN 1995-1-1 by dividing the characteristic values of the load-carrying capacities by different partial factors for the strength properties in addition multiplied with the coefficient  $k_{mod}$ .

In the case of steel failure, the design value shall be calculated according to EN 1993-1-1 by reducing the characteristic values of the load-carrying capacity with different partial factors.

The design value of the load-carrying capacity is the smaller value of both load-carrying capacities:

$$F_{Rd} = \min \left\{ \frac{k_{mod} \cdot F_{Rk,H}}{\gamma_{M,H}}, \frac{F_{Rk,S}}{\gamma_{Mi,S}} \right\}$$

Therefore, for timber failure or failure of the metal fasteners the load duration class and the service class are included. The different partial factors  $\gamma_M$  for steel or timber, respectively, are also correctly taken into account.

### 3.5 Mechanical resistance and stability

See Annex B for the characteristic load-carrying capacity in the different directions  $F_1$  to  $F_5$  for solid timber of strength class C24 according to EN 338:2003-09. Using the load-carrying capacities of the post bases, the specifications in Annex A must be fulfilled. The end grain of the timber post must in general be plane on the base plate of the post base. Post bases type 345, 345VA and 399 may have a clearance between the end grain of the timber post and the base plate of the post base due to constructive wood preservation (maximum 10 mm).

The characteristic capacities of the post bases are determined by calculation according to Eurocode 3 and Eurocode 5. They should be used for designs in accordance with Eurocode 3 and Eurocode 5 or a similar national code.

#### *GAH Alberts connector screws*

In the formulas in Annex B the capacities for coach screws 8x60 mm and 10x60 mm according to EN 14592 (DIN 571 and thread according to DIN 7998) with minimum characteristic tensile strength of  $R_m =$

360 N/mm<sup>2</sup> are used. The screws shall be driven into pre-drilled holes according to EN 1995-1-1, 10.4.5.

No performance has been assessed in relation to ductility of a joint under cyclic testing. The contribution to the performance of structures in seismic zones, therefore, has not been assessed.

No performance has been assessed in relation to the joint's stiffness properties - to be used for the analysis of the serviceability limit state.

No performance has been assessed in relation to the anchorage of the post bases in the foundation. It must be checked by the designer of the structure to ensure it is not less than the post base capacity and, if necessary, the post base capacity reduced accordingly. Therefore, the specifications for the lever arms  $e_{F2/F3}$  (for load case  $F_2 / F_3$ ) and  $e_{F4/F5}$  (for load case  $F_4 / F_5$ ) in annex A have to be considered. The lever arm is the distance between the top edge of the foundation and the load.

### 3.6 Aspects related to the performance of the product

#### 3.6.1 Corrosion protection in service class 1 and 2.

In accordance with EAD 130186-00-0603 the post bases are made from steel grade S235JR according to EN 10025-2:2005-04 with a minimum characteristic yield strength of  $R_{eH} = 235$  N/mm<sup>2</sup> and a minimum characteristic tensile strength of  $R_m = 360$  N/mm<sup>2</sup>

#### 3.6.2 Corrosion protection in service class 3

In accordance with Eurocode 5 the post bases are made from steel grade 1.4301 according to EN 10088-3:2005-09 with a minimum characteristic yield strength of  $R_{p0.2} = 190$  N/mm<sup>2</sup> and a minimum characteristic tensile strength of  $R_m = 500$  N/mm<sup>2</sup>.

### 3.7 General aspects related to the fitness for use of the product

The performance given in this ETA are based on the following:

- The primary structural member – the post member shown in typical installation page 17 or a beam member - to which the post bases are fixed shall be:
  - Restrained against rotation
  - Capable to transfer the force to the post bases as assumed.
  - Free from wane in areas in contact with the post base.

- The secondary structural member – the concrete support - to which the post bases are fixed shall be:
  - Made from concrete of at least strength class C15, unless otherwise is indicated in annex B of this ETA.
- To ensure sufficient capacity the designer has to take into account splitting of the timber.
- The timber member shall be free from wane.
- There shall be no gap between the timber and the horizontal contact area.
- Otherwise, the gap between the timber member and the post base may not exceed 3 mm.
- There are no specific requirements relating to preparation of the timber members.

The calculations are based on not pre-drilled holes for nails and screws. However, the holes for lag screws, dowels and bolts have to be pre-drilled.

#### **4 Assessment and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base**

##### **4.1 AVCP system**

According to the decision 97/638/EC of the European Commission<sup>1</sup>, as amended, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) is 2+.

#### **5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD**

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark prior to CE marking.

Issued in Copenhagen on 2024-04-04 by



Thomas Bruun

Managing Director, ETA-Danmark

**Annex A**  
**Product details and definitions**  
Table A.1 Specifications of the post bases

| Post base |        | Identification |        | Metal Fasteners |        |               | Post [mm] | Distances [mm] |                    |                    |
|-----------|--------|----------------|--------|-----------------|--------|---------------|-----------|----------------|--------------------|--------------------|
| Type      | Width  | Drawing-Nr.    | EAN    | Bolts           | Dowels | Screws        | min b/h   | max. a         | e <sub>F2/F3</sub> | e <sub>F4/F5</sub> |
| 326       | 76     | 0326 0080 2    | 213954 | -               | -      | 3x Sr 10x60mm | 80/95     | 50             | -                  | -                  |
| 327       | 71     | 0327 0071 2    | 214234 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 71/115    | 50             | 139                | 77                 |
|           | 75     | 0327 0075 2    | 214241 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 75/115    | 50             | 139                | 77                 |
|           | 81     | 0327 0081 2    | 214258 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 81/115    | 50             | 139                | 77                 |
|           | 91     | 0327 0091 2    | 214265 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 91/115    | 50             | 139                | 77                 |
|           | 95     | 0327 0095 2    | 214272 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 95/115    | 50             | 139                | 77                 |
|           | 101    | 0327 0101 2    | 214289 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 101/115   | 50             | 139                | 77                 |
|           | 121    | 0327 0121 2    | 214296 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 121/115   | 50             | 139                | 77                 |
|           | 141    | 0327 0141 2    | 214302 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 141/115   | 50             | 139                | 77                 |
| 345       | 71     | 0345 0071 2    | 212766 | 2x Bo 10mm      | -      | -             | 71/80     | -              | 175                | 25                 |
|           | 81     | 0345 0081 2    | 212780 | 2x Bo 10mm      | -      | -             | 81/80     | -              | 175                | 25                 |
|           | 91     | 0345 0091 2    | 212797 | 2x Bo 10mm      | -      | -             | 91/80     | -              | 175                | 25                 |
|           | 96     | 0345 0096 2    | 212803 | 2x Bo 10mm      | -      | -             | 96/80     | -              | 175                | 25                 |
|           | 101    | 0345 0101 2    | 212810 | 2x Bo 10mm      | -      | -             | 101/80    | -              | 175                | 25                 |
|           | 111    | 0345 0111 2    | 212841 | 2x Bo 10mm      | -      | -             | 111/80    | -              | 175                | 25                 |
|           | 116    | 0345 0116 2    | 212858 | 2x Bo 10mm      | -      | -             | 116/80    | -              | 175                | 25                 |
|           | 121    | 0345 0121 2    | 212827 | 2x Bo 10mm      | -      | -             | 121/80    | -              | 175                | 25                 |
| 345 VA    | 71     | 0345 0071 2VA  | 212902 | 2x Bo 10mm      | -      | -             | 71/80     | -              | 175                | 25                 |
|           | 91     | 0345 0091 2VA  | 212919 | 2x Bo 10mm      | -      | -             | 91/80     | -              | 175                | 25                 |
| 365       | 71     | 0365 0071 2    | 213800 | 2x Bo 10mm      | -      | -             | 71/80     | 50             | 125                | 77                 |
|           | 81     | 0365 0081 2    | 213817 | 2x Bo 10mm      | -      | -             | 81/80     | 50             | 125                | 77                 |
|           | 91     | 0365 0091 2    | 213824 | 2x Bo 10mm      | -      | -             | 91/80     | 50             | 125                | 77                 |
|           | 101    | 0365 0101 2    | 203917 | 2x Bo 10mm      | -      | -             | 101/80    | 50             | 125                | 77                 |
|           | 111    | 0365 0111 2    | 203924 | 2x Bo 10mm      | -      | -             | 111/80    | 50             | 125                | 77                 |
|           | 116    | 0365 0116 2    | 203931 | 2x Bo 10mm      | -      | -             | 116/80    | 50             | 125                | 77                 |
|           | 121    | 0365 0121 2    | 203948 | 2x Bo 10mm      | -      | -             | 121/80    | 50             | 125                | 77                 |
| 365 v     | 91     | 365v 0091 2    | 213626 | 2x Bo 10mm      | -      | -             | 91/80     | 50             | 130                | 82                 |
|           | 95     | 365v 0095 2    | 213886 | 2x Bo 10mm      | -      | -             | 95/80     | 50             | 130                | 82                 |
|           | 101    | 365v 0101 2    | 213831 | 2x Bo 10mm      | -      | -             | 101/80    | 50             | 130                | 82                 |
|           | 111    | 365v 0111 2    | 213879 | 2x Bo 10mm      | -      | -             | 111/80    | 50             | 130                | 82                 |
|           | 116    | 365v 0116 2    | 213916 | 2x Bo 10mm      | -      | -             | 116/80    | 50             | 130                | 82                 |
|           | 121    | 365v 0121 2    | 213848 | 2x Bo 10mm      | -      | -             | 121/80    | 50             | 130                | 82                 |
|           | 141    | 365v 0141 2    | 213893 | 2x Bo 10mm      | -      | -             | 141/80    | 50             | 130                | 82                 |
| 365 VA    | 91-141 | 365v 0094 2VA  | 213701 | 2x Bo 10mm      | -      | -             | 91/80     | 50             | 125                | -                  |
|           | 91     | 0365 0091 2VA  | 213718 | 2x Bo 10mm      | -      | -             | 91/80     | 50             | 125                | 77                 |
| 366       | 76     | 0366 0080 2    | 214005 | -               | -      | 3x Sr 10x60mm | 80/95     | 50             | -                  | -                  |



Continuation of Table A.1 Specifications of the post bases

| Post base |        | Identification |        | Metal Fasteners |            |               | Post [mm] | Distances [mm] |                    |                    |
|-----------|--------|----------------|--------|-----------------|------------|---------------|-----------|----------------|--------------------|--------------------|
| Type      | Width  | Drawing-Nr.    | EAN    | Bolts           | Dowels     | Screws        | min b/h   | max. a         | e <sub>F2/F3</sub> | e <sub>F4/F5</sub> |
| 367       | 71     | 0367 0071 2    | 214043 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 71/115    | 50             | 139                | 77                 |
|           | 81     | 0367 0081 2    | 214067 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 81/115    | 50             | 139                | 77                 |
|           | 91     | 0367 0091 2    | 214074 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 91/115    | 50             | 139                | 77                 |
|           | 101    | 0367 0101 2    | 214098 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 101/115   | 50             | 139                | 77                 |
|           | 121    | 0367 0121 2    | 214104 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 121/115   | 50             | 139                | 77                 |
|           | 141    | 0367 0141 2    | 214111 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 141/115   | 50             | 139                | 77                 |
| 367 VA    | 71     | 0367 0071 2VA  | 214203 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 71/115    | 50             | 139                | 77                 |
|           | 91     | 0367 0091 2VA  | 214210 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 91/115    | 50             | 139                | 77                 |
| 369       | 91     | 0369 0091 2    | 214401 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 91/115    | 50             | 139                | 77                 |
|           | 101    | 0369 0101 2    | 214418 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 101/115   | 50             | 139                | 77                 |
|           | 121    | 0369 0121 2    | 212711 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 121/115   | 50             | 139                | 77                 |
|           | 141    | 0369 0141 2    | 212728 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 141/115   | 50             | 139                | 77                 |
|           | 161    | 0369 0161 2    | 212896 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 161/115   | 50             | 139                | 77                 |
| 370       | 71-131 | 0370 0110 2    | 214494 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 71/95     | 50             | -                  | -                  |
| 375       | 71-131 | 0375 0110 2    | 214500 | 1x Bo 10mm      | -          | 4x Sr 10x60mm | 71/95     | 75             | -                  | -                  |
| 393       | 70     | 0393 0070 2    | 215446 | -               | -          | 4x Sr 10x60mm | 70/70     | 50             | -                  | -                  |
| 394       | 71     | 0394 0071 2    | 216740 | 2x Bo 10mm      | -          | -             | 71/80     | 50             | 225                | 74                 |
|           | 75     | 0394 0075 2    | 216757 | 2x Bo 10mm      | -          | -             | 75/80     | 50             | 225                | 74                 |
|           | 81     | 0394 0081 2    | 216764 | 2x Bo 10mm      | -          | -             | 81/80     | 50             | 225                | 74                 |
|           | 91     | 0394 0091 2    | 216771 | 2x Bo 10mm      | -          | -             | 91/80     | 50             | 225                | 74                 |
|           | 96     | 0394 0096 2    | 216788 | 2x Bo 10mm      | -          | -             | 96/80     | 50             | 225                | 74                 |
|           | 101    | 0394 0101 2    | 216795 | 2x Bo 10mm      | -          | -             | 101/80    | 50             | 225                | 74                 |
|           | 111    | 0394 0111 2    | 216818 | 2x Bo 10mm      | -          | -             | 111/80    | 50             | 225                | 74                 |
|           | 116    | 0394 0116 2    | 216832 | 2x Bo 10mm      | -          | -             | 116/80    | 50             | 225                | 74                 |
|           | 121    | 0394 0121 2    | 216801 | 2x Bo 10mm      | -          | -             | 121/80    | 50             | 225                | 74                 |
|           | 141    | 0394 0141 2    | 216825 | 2x Bo 10mm      | -          | -             | 141/80    | 50             | 225                | 74                 |
|           | 91-2   | 0394 0092 2    | 216870 | 2x Bo 10mm      | -          | -             | 91/80     | 50             | 225                | 74                 |
| 395       | 80     | 0395 0080 2    | 217532 | -               | -          | 4x Sr 8x60mm  | 80/80     | 230            | -                  | -                  |
| 396       | 300    | 0396 0300 2    | 212674 | -               | 4x Do 10mm | -             | 120/100   | 100            | 218                | 140                |
|           | 500    | 0396 0500 2    | 212681 | -               | 4x Do 10mm | -             | 120/100   | 200            | 318                | 240                |
| 397       | 100    | 0397 0100 2    | 215453 | -               | -          | -             | 100/100   | -              | -                  | -                  |
| 398       | 80     | 0398 0080 2    | 215521 | 4x Bo 10mm      | -          | -             | 80/120    | 50             | 130                | 70                 |
| 399       | 100    | 0399 0130 2    | 215538 | 4x Bo 10mm      | -          | -             | 120/120   | -              | 115                | 32                 |
| 401       | 150    | 0401 0150 2    | 212698 | -               | 4x Do 10mm | -             | 120/100   | 150            | 260                | 173                |
|           | 200    | 0401 0200 2    | 212704 | -               | 4x Do 10mm | -             | 120/100   | 200            | 310                | 221                |

Continuation of Table A.1 Specifications of the post bases

| Post base |        | Identification |        | Metal Fasteners |        |               | Post [mm] | Distances [mm] |                    |                    |
|-----------|--------|----------------|--------|-----------------|--------|---------------|-----------|----------------|--------------------|--------------------|
| Type      | Width  | Drawing-Nr.    | EAN    | Bolts           | Dowels | Screws        | min b/h   | max. a         | e <sub>F2/F3</sub> | e <sub>F4/F5</sub> |
| 451       | 71     | 0451 0071 2    | 217600 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 71/115    | -              | 135                | 68                 |
|           | 81     | 0451 0081 2    | 217617 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 81/115    | -              | 135                | 68                 |
|           | 91     | 0451 0091 2    | 217624 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 91/115    | -              | 135                | 68                 |
|           | 101    | 0451 0101 2    | 217631 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 101/115   | -              | 135                | 68                 |
|           | 121    | 0451 0121 2    | 217648 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 121/115   | -              | 135                | 68                 |
| 472       | 91     | 0472 0091 2    | 214432 | 2x Bo 10mm      | -      | -             | 91/80     | -              | 265                | 215                |
| 476       | 70     | 0476 0000 2    | 218102 | -               | -      | 4x Sr 10x60mm | 70/70     | 150            | -                  | -                  |
|           | 150    | 0476 0150 2    | 218119 | -               | -      | 4x Sr 10x60mm | 150/150   | 150            | -                  | -                  |
| 480       | -      | 0480 0000 2    | 208028 | -               | -      | -             | 100/100   | 200            | -                  | -                  |
| 481       | -      | 0481 0000 2    | 208035 | -               | -      | -             | 100/100   | 56             | -                  | -                  |
| 566       | 91     | 0566 0091 2    | 219703 | 2x Bo 10mm      | -      | -             | 91/80     | 50             | 225                | 78                 |
| 569       | 121    | 0569 0121 2    | 219758 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 121/145   | 50             | 135                | 80                 |
|           | 141    | 0569 0141 2    | 219765 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 141/145   | 50             | 135                | 80                 |
|           | 161    | 0569 0161 2    | 219772 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 161/145   | 50             | 135                | 80                 |
| 577       | 150    | 0577 0100 2    | 219819 | -               | -      | 4x Sr 10x60mm | 150/150   | 95             | -                  | -                  |
|           | 150    | 0577 0150 2    | 210823 | -               | -      | 4x Sr 10x60mm | 150/150   | 145            | -                  | -                  |
| 579       | 100    | 0579 0100 2    | 219802 | -               | -      | 4x Sr 10x60mm | 100/100   | 95             | -                  | -                  |
|           | 70     | 0579 0070 2    | 219826 | -               | -      | 4x Sr 8x60mm  | 70/90     | 74             | -                  | -                  |
| 580       | 71-161 | 0580 0110 2    | 218058 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 71/95     | 175            | -                  | -                  |
| 581       | 71-161 | 0581 0110 2    | 219901 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 71/95     | 220            | -                  | -                  |
| 583       | 70     | 0583 0000 2    | 212391 | -               | -      | 4x Sr 10x60mm | 70/70     | 175            | -                  | -                  |
| 655       | 91     | 0655 0091 2    | 219925 | 2x Bo 10mm      | -      | -             | 91/80     | 50             | 130                | 82                 |
|           | 111    | 0655 0111 2    | 219949 | 2x Bo 10mm      | -      | -             | 111/80    | 50             | 130                | 82                 |
|           | 116    | 0655 0116 2    | 208417 | 2x Bo 10mm      | -      | -             | 116/80    | 50             | 130                | 82                 |
|           | 121    | 0655 0121 2    | 208424 | 2x Bo 10mm      | -      | -             | 121/80    | 50             | 130                | 82                 |
|           | 141    | 0655 0141 2    | 208431 | 2x Bo 10mm      | -      | -             | 141/80    | 50             | 130                | 82                 |
| 665       | 116    | 0665 0116 2    | 208448 | 2x Bo 12mm      | -      | -             | 116/100   | 50             | 210                | 107                |
|           | 121    | 0665 0121 2    | 205003 | 2x Bo 12mm      | -      | -             | 121/100   | 50             | 210                | 107                |
|           | 141    | 0665 0141 2    | 205010 | 2x Bo 12mm      | -      | -             | 141/100   | 50             | 210                | 107                |
|           | 161    | 0665 0161 2    | 208455 | 2x Bo 12mm      | -      | -             | 161/100   | 50             | 210                | 107                |
| 751       | 71     | 0751 0071 2    | 208509 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 71/115    | 50             | 185                | 118                |
|           | 81     | 0751 0081 2    | 208516 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 81/115    | 50             | 185                | 118                |
|           | 91     | 0751 0091 2    | 208523 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 91/115    | 50             | 185                | 118                |
|           | 101    | 0751 0101 2    | 208530 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 101/115   | 50             | 185                | 118                |
|           | 121    | 0751 0121 2    | 208547 | 1x Bo 10mm      | -      | 4x Sr 10x60mm | 121/115   | 50             | 185                | 118                |

Table A.2 Specifications of the metal fasteners according to EN 14592

| Fastener type<br>(S235) | Size (mm) |        |           | Finish                |
|-------------------------|-----------|--------|-----------|-----------------------|
|                         | Diameter  | Length | Thickness |                       |
| Dowels                  | 10 mm     |        |           | Galvanic zinc coating |
| Bolts                   | 10, 12 mm |        |           | Galvanic zinc coating |
| Washers                 | 30, 36 mm |        | 3, 3.6 mm | Galvanic zinc coating |
| Screws                  | 8, 10 mm  | 60 mm  |           | Galvanic zinc coating |

The load-carrying-capacities of the metal fasteners were calculated according to Eurocode 5 for lateral loads. The contribution to the load-carrying capacity due to the rope effect was considered according to Eurocode 5.

**Annex B**  
**Characteristic load-carrying capacities**

Table B.1 Characteristic load-carrying capacities for post bases

| Post Base |       | F <sub>1</sub> (Compression) |            |                | F <sub>1</sub> (Tension) |                |                | F <sub>23</sub> |            |                | F <sub>45</sub> |            |
|-----------|-------|------------------------------|------------|----------------|--------------------------|----------------|----------------|-----------------|------------|----------------|-----------------|------------|
| Type      | Width | Timber                       | Steel      |                | Timber                   | Steel          |                | Timber          | Steel      |                | Timber          | Steel      |
| 326       | 76    | 61,7                         | -          | 33,8           | 4,46                     | 2,81           | 3,45           | -               | -          | -              | -               | -          |
|           |       | $\gamma_m$                   | -          | $\gamma_{m,0}$ | $\gamma_m$               | $\gamma_{m,0}$ | $\gamma_{m,2}$ | -               | -          | -              | -               | -          |
| 327       | 71    | 56,1                         | -          | 48,3           | 8,91                     | 6,28           | 6,90           | 5,94            | -          | 2,11           | 11,7            | 5,58       |
|           | 75    | 58,6                         | -          | 48,3           | 8,91                     | 5,74           | 6,90           | 5,94            | -          | 2,11           | 12,3            | 5,58       |
|           | 81    | 62,4                         | -          | 48,3           | 8,91                     | 5,09           | -              | 5,94            | -          | 2,11           | 12,3            | 5,58       |
|           | 91    | 68,7                         | -          | 48,3           | 8,91                     | 4,28           | -              | 5,94            | -          | 2,11           | 12,3            | 5,58       |
|           | 95    | 71,2                         | -          | 48,3           | 8,91                     | 4,03           | -              | 5,94            | -          | 2,11           | 12,3            | 5,58       |
|           | 101   | 75,0                         | -          | 48,3           | 8,91                     | 3,69           | -              | 5,94            | -          | 2,11           | 12,3            | 5,58       |
|           | 121   | 87,6                         | -          | 48,3           | 8,91                     | 2,90           | -              | 5,94            | -          | 2,11           | 12,3            | 5,58       |
|           | 141   | 100,2                        | -          | 48,3           | 8,91                     | 2,38           | -              | 5,94            | -          | 2,11           | 12,3            | 5,58       |
|           |       |                              | $\gamma_m$ | -              | $\gamma_{m,0}$           | $\gamma_m$     | $\gamma_{m,0}$ | $\gamma_{m,2}$  | $\gamma_m$ | -              | $\gamma_{m,2}$  | $\gamma_m$ |
| 345       | 71    | 23,2                         | -          | 27,6           | 12,7                     | 6,36           | -              | 8,17            | 1,32       | -              | 7,81            | 2,57       |
|           | 81    | 23,2                         | -          | 27,6           | 12,7                     | 7,41           | -              | 9,32            | 1,32       | -              | 7,81            | 2,57       |
|           | 91    | 23,2                         | -          | 27,6           | 12,7                     | 8,86           | -              | 10,5            | 1,32       | -              | 7,81            | 2,57       |
|           | 96    | 23,2                         | -          | 27,6           | 12,7                     | 9,82           | -              | 10,7            | 1,32       | -              | 7,81            | 2,57       |
|           | 101   | 23,2                         | -          | 27,6           | 12,7                     | 11,0           | -              | 10,7            | 1,32       | -              | 7,81            | 2,57       |
|           | 111   | 23,2                         | -          | 27,6           | 12,7                     | 14,6           | -              | 10,7            | 1,32       | -              | 7,81            | 2,57       |
|           | 116   | 23,2                         | -          | 27,6           | 12,7                     | 16,9           | -              | 10,7            | 1,32       | -              | 7,81            | 2,57       |
|           | 121   | 23,2                         | -          | 27,6           | 12,7                     | 17,1           | -              | 10,7            | 1,32       | -              | 7,81            | 2,57       |
|           |       |                              | $\gamma_m$ | -              | $\gamma_{m,1}$           | $\gamma_m$     | $\gamma_{m,0}$ | -               | $\gamma_m$ | $\gamma_{m,0}$ | -               | $\gamma_m$ |
| 345 VA    | 71    | 23,2                         | -          | 26,3           | 12,7                     | 5,14           | -              | 8,17            |            | 1,08           | 8,17            | 3,13       |
|           | 91    | 23,2                         | -          | 26,3           | 12,7                     | 5,14           | -              | 10,5            |            | 1,08           | 9,76            | 3,13       |
|           |       |                              | $\gamma_m$ | -              | $\gamma_{m,1}$           | $\gamma_m$     | $\gamma_{m,0}$ | -               | $\gamma_m$ | -              | $\gamma_{m,2}$  | $\gamma_m$ |
| 365       | 71    | 25,3                         | -          | 45,5           | 12,7                     | -              | 81,8           | 8,17            | 15,6       | -              | 7,85            | 3,88       |
|           | 81    | 25,3                         | -          | 45,5           | 12,7                     | -              | 81,8           | 9,32            | 15,6       | -              | 7,85            | 3,88       |
|           | 91    | 25,3                         | -          | 45,5           | 12,7                     | -              | 81,8           | 10,5            | 15,6       | -              | 7,85            | 3,88       |
|           | 101   | 25,3                         | -          | 45,5           | 12,7                     | -              | 81,8           | 11,6            | 15,6       | -              | 7,85            | 3,88       |
|           | 111   | 25,3                         | -          | 45,5           | 12,7                     | -              | 81,8           | 12,8            | 15,6       | -              | 7,85            | 3,88       |
|           | 116   | 25,3                         | -          | 45,5           | 12,7                     | -              | 81,8           | 13,3            | 15,6       | -              | 7,85            | 3,88       |
|           | 121   | 25,3                         | -          | 45,5           | 12,7                     | -              | 81,8           | 13,9            | 15,6       | -              | 7,85            | 3,88       |
|           |       |                              | $\gamma_m$ | -              | $\gamma_{m,1}$           | $\gamma_m$     | -              | $\gamma_{m,2}$  | $\gamma_m$ | $\gamma_{m,1}$ | -               | $\gamma_m$ |
| 365 v     | 91    | 27,1                         | -          | 71,0           | 13,6                     | -              | 98,2           | 10,5            | 19,3       | -              | 10,4            | 5,05       |
|           | 95    | 27,1                         | -          | 71,0           | 13,6                     | -              | 98,2           | 10,9            | 19,3       | -              | 10,4            | 5,05       |
|           | 101   | 27,1                         | -          | 71,0           | 13,6                     | -              | 98,2           | 11,6            | 19,3       | -              | 10,4            | 5,05       |
|           | 111   | 27,1                         | -          | 71,0           | 13,6                     | -              | 98,2           | 12,8            | 19,3       | -              | 10,4            | 5,05       |
|           | 116   | 27,1                         | -          | 71,0           | 13,6                     | -              | 98,2           | 13,3            | 19,3       | -              | 10,4            | 5,05       |
|           | 121   | 27,1                         | -          | 71,0           | 13,6                     | -              | 98,2           | 13,9            | 19,3       | -              | 10,4            | 5,05       |
|           | 141   | 27,1                         | -          | 71,0           | 13,6                     | -              | 98,2           | 16,2            | 19,3       | -              | 10,4            | 5,05       |
|           |       |                              | $\gamma_m$ | -              | $\gamma_{m,1}$           | $\gamma_m$     | -              | $\gamma_{m,2}$  | $\gamma_m$ | $\gamma_{m,1}$ | -               | $\gamma_m$ |



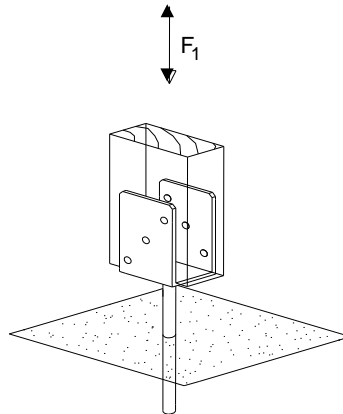


Continuation of Table B.1 Characteristic load-carrying capacities for post bases

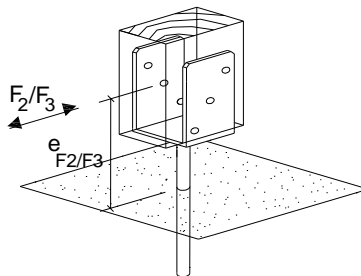
| Post Base |        | F <sub>1</sub> (Compression) |                |                | F <sub>1</sub> (Tension) |            |                | F <sub>23</sub> |            |                | F <sub>45</sub> |            |
|-----------|--------|------------------------------|----------------|----------------|--------------------------|------------|----------------|-----------------|------------|----------------|-----------------|------------|
| Type      | Width  | Timber                       | Steel          |                | Timber                   | Steel      |                | Timber          | Steel      |                | Timber          | Steel      |
| 581       | 71-161 | 29,2                         | 21,1           | -              | -                        | -          | -              | -               | -          | -              | -               | -          |
|           |        | $\gamma_m$                   | $\gamma_{m,0}$ | -              | -                        | -          | -              | -               | -          | -              | -               | -          |
| 583       | 70     | 64,1                         | 44,0           | -              | -                        | -          | -              | -               | -          | -              | -               | -          |
|           |        | $\gamma_m$                   | $\gamma_{m,0}$ | -              | -                        | -          | -              | -               | -          | -              | -               | -          |
| 655       | 91     | 27,1                         | -              | 71,0           | 13,6                     | -          | 98,2           | 10,5            | 19,3       | -              | 10,4            | 5,05       |
|           | 111    | 27,1                         | -              | 71,0           | 13,6                     | -          | 98,2           | 12,8            | 19,3       | -              | 10,4            | 5,05       |
|           | 116    | 27,1                         | -              | 71,0           | 13,6                     | -          | 98,2           | 13,3            | 19,3       | -              | 10,4            | 5,05       |
|           | 121    | 27,1                         | -              | 71,0           | 13,6                     | -          | 98,2           | 13,9            | 19,3       | -              | 10,4            | 5,05       |
|           | 141    | 27,1                         | -              | 71,0           | 13,6                     | -          | 98,2           | 16,2            | 19,3       | -              | 10,4            | 5,05       |
|           |        |                              | $\gamma_m$     | -              | $\gamma_{m,1}$           | $\gamma_m$ | -              | $\gamma_{m,2}$  | $\gamma_m$ | $\gamma_{m,1}$ | -               | $\gamma_m$ |
| 665       | 116    | 38,9                         | -              | 176,3          | 38,9                     | -          | 300,8          | 16,2            | 28,3       | -              | 16,8            | 12,9       |
|           | 121    | 38,9                         | -              | 176,3          | 38,9                     | -          | 300,8          | 16,9            | 28,3       | -              | 17,5            | 12,9       |
|           | 141    | 38,9                         | -              | 176,3          | 38,9                     | -          | 300,8          | 19,7            | 28,3       | -              | 20,4            | 12,9       |
|           | 161    | 38,9                         | -              | 176,3          | 38,9                     | -          | 300,8          | 22,5            | 28,3       | -              | 22,6            | 12,9       |
|           |        |                              | $\gamma_m$     | -              | $\gamma_{m,1}$           | $\gamma_m$ | -              | $\gamma_{m,0}$  | $\gamma_m$ | $\gamma_{m,1}$ | -               | $\gamma_m$ |
| 751       | 71     | 12,7                         | 5,61           | 6,90           | 8,91                     | 5,61       | 6,90           | 5,94            | -          | 1,39           | 7,43            | 2,46       |
|           | 81     | 12,7                         | 4,64           | -              | 8,91                     | 4,64       | -              | 5,94            | -          | 1,39           | 7,43            | 2,46       |
|           | 91     | 12,7                         | 3,96           | -              | 8,91                     | 3,96       | -              | 5,94            | -          | 1,39           | 7,43            | 2,46       |
|           | 101    | 12,7                         | 3,45           | -              | 8,91                     | 3,45       | -              | 5,94            | -          | 1,39           | 7,43            | 2,46       |
|           | 121    | 12,7                         | 2,75           | -              | 8,91                     | 2,75       | -              | 5,94            | -          | 1,39           | 7,43            | 2,46       |
|           |        |                              | $\gamma_m$     | $\gamma_{m,0}$ | $\gamma_{m,2}$           | $\gamma_m$ | $\gamma_{m,0}$ | $\gamma_{m,2}$  | $\gamma_m$ | -              | $\gamma_{m,2}$  | $\gamma_m$ |

### Definitions of forces, their directions and eccentricity

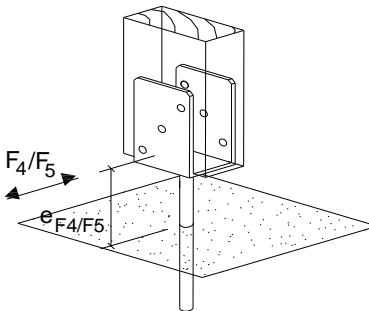
- Force  $F_1$ : tensile or compression load



- Force  $F_2 / F_3$ : horizontal load parallel to the side plates of the post base



- Force  $F_4 / F_5$ : horizontal load perpendicular to the side plates of the post base



#### Acting forces

- |                 |   |
|-----------------|---|
| $F_1$           | axial force (tension or compression) acting along the central axis of the joint   |
| $F_2$ and $F_3$ | horizontal force parallel to the side plates of the post base acting with the lever arm $e_{F_2/F_3}$ above the foundation      |
| $F_4$ and $F_5$ | horizontal force perpendicular to the side plates of the post base acting with the lever arm $e_{F_4/F_5}$ above the foundation |

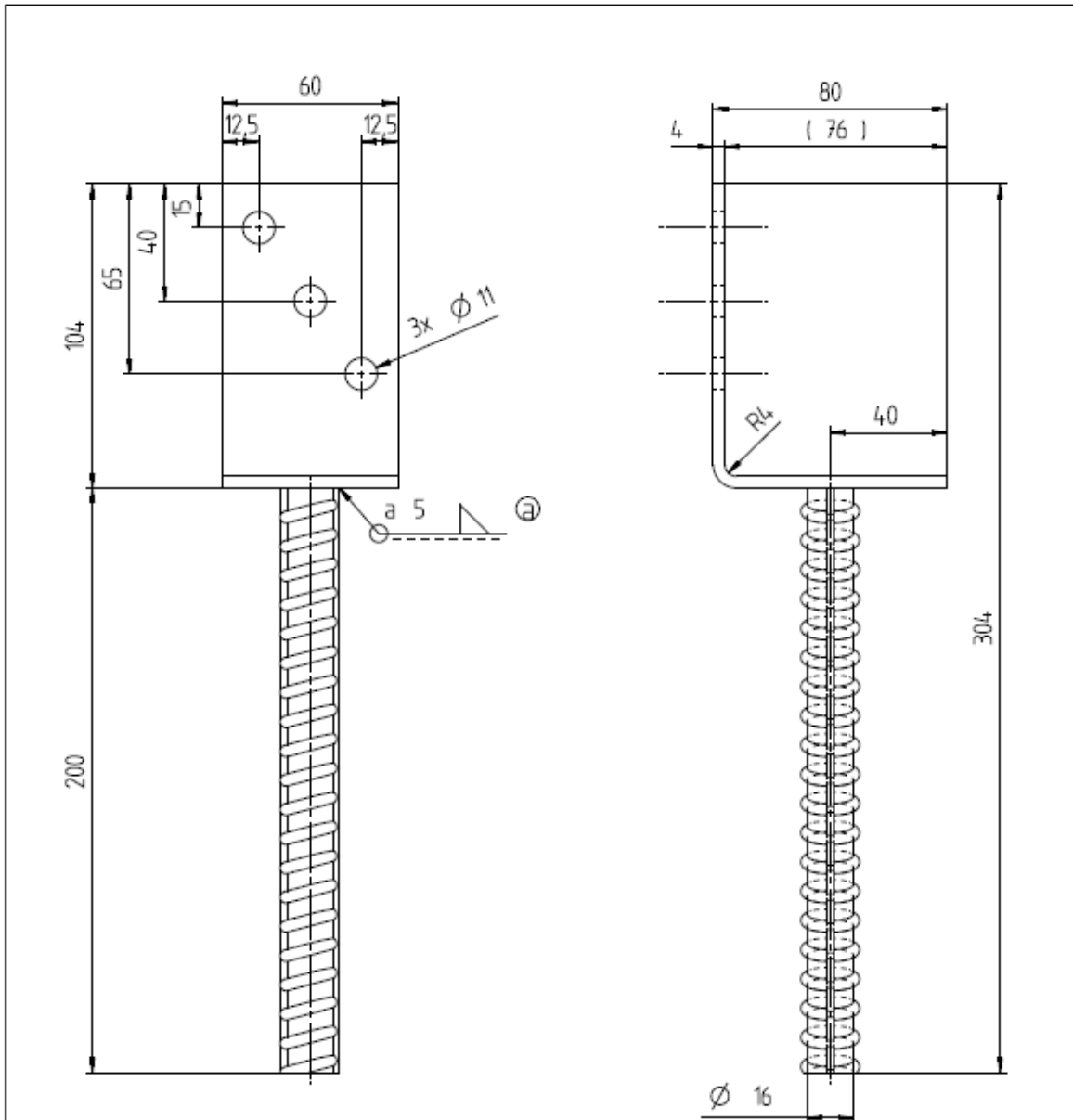
#### Combined forces

If the forces  $F_1$  and  $F_2/F_3$  or  $F_4/F_5$  act at the same time, the following inequality shall be fulfilled:

$$\sum \frac{F_{i,d}}{R_{i,d}} \leq 1$$

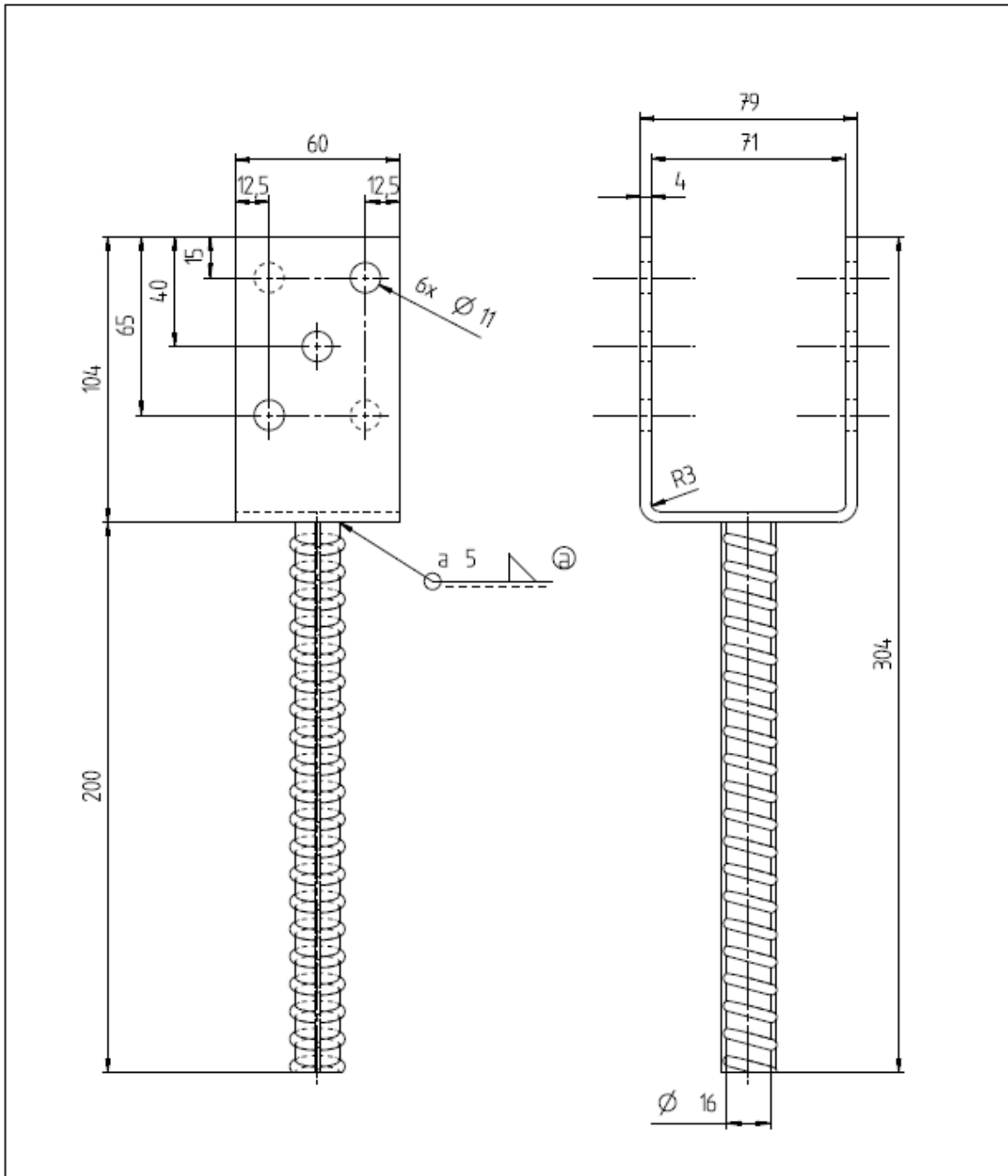
The forces  $F_2$  and  $F_3$  or  $F_4$  and  $F_5$  are forces with opposite direction. Therefore only one force  $F_2$  or  $F_3$ , and  $F_4$  or  $F_5$ , respectively, is able to act simultaneously with  $F_1$ .





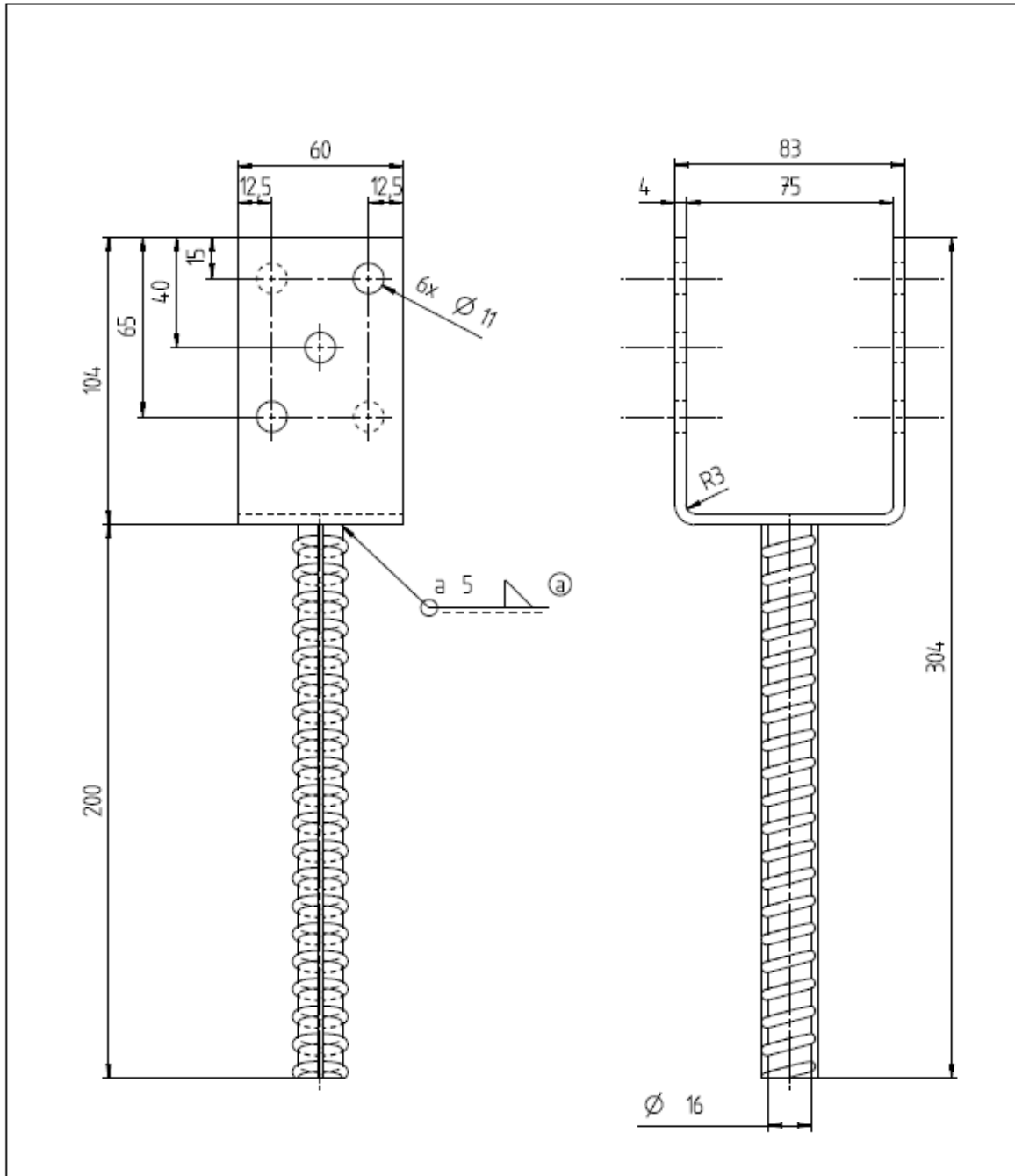
Gewicht: 0,7 kg

| Pos. position   | Stck. pc.                       | Benennung / description |                                | Abmessung dimensions            | Zeichnungsnr. drawing number                   | Bemerkung notes / remarks |
|---|---------------------------------|-------------------------|--------------------------------|---------------------------------|--|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         |                                | Massstab scale                  | Material / material S235JR / 1.0037            |                           |
|   |                                 |                         |                                | Typ Nr. typ-number              | Bemerkung / notes / remarks                    |                           |
|   |                                 |                         |                                |                                 | 326  | 213954                    |
| Ⓐ   | Schweißnaht war a7 und jetzt a5 |                         | 23.09.2014                     | Bogdan                          | Benennung / description                        |                           |
| Zust. condition   | Änderung / modification         |                         | Datum/date                     | Name/name                       | Pfostenträger, L-Form<br>Post support, L-Shape |                           |
|   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance |                                 |  |                           |
| Bearb./drawer   | 28.7.09                         | Hunka                   | ISO 2768                       |                                 |  |                           |
| Gepr./manner  |                                 |                         | mittel                         |                                 |  |                           |
| Norm/standard   |                                 |                         |                                | Zeichnungsnummer drawing number |  | Version                   |
| GAH ALBERTS   |                                 |                         |                                | 0326 0080 2                     |  | CE                        |



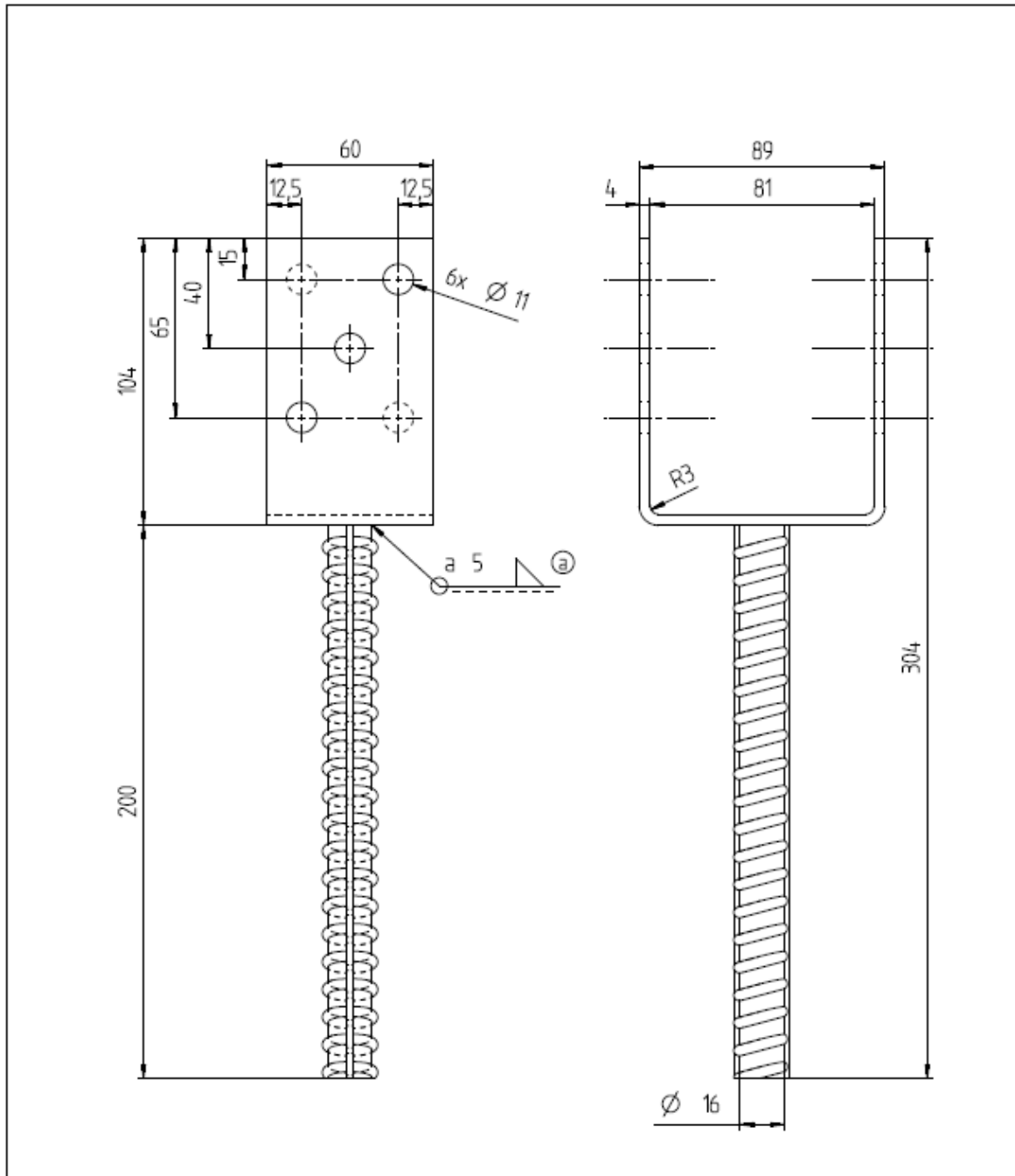
Gewicht: 0,874 kg

| Pos. position   | Stück. pc.   | Benennung / description | Abmessung dimensions                                       | Zeichnungsnr. drawing number | Bemerkung notes / remarks |
|---|--|-------------------------|--|------------------------------|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |  |                         | Maßstab<br>scale   | Material / material          | S235JR / 1.0037           |
|   |  |                         | Typ Nr.<br>typ-number                                      | Bemerkung / notes / remarks  |                           |
|   |  |                         | 327  | 214234                       |                           |
| Ⓐ   | Schweißnaht war a7 und jetzt a5<br>Änderung / modification |                         | 23.09.2014   | Bogdan                       | Benennung / description   |
| Zust.<br>condition  | Datum/date   | Name/name               | Pfostenträger, U-Form, 71mm<br>Post support, U-Shape, 71mm |                              |                           |
| Bearb./drawer   | 27.7.09  | Hunka                   |  |                              |                           |
| Gepr. examiner  |  |                         |  |                              |                           |
| Norm/standard   |  |                         |  |                              |                           |
|   |  |                         | Zul. Abw.<br>acceptance tolerance                          |                              |                           |
|   |  |                         | ISO 2768<br>mittel   |                              |                           |
| GAH ALBERTS   |  |                         | Zeichnungsnummer<br>drawing number                         | 0327 0071 2                  | Version<br>CE             |



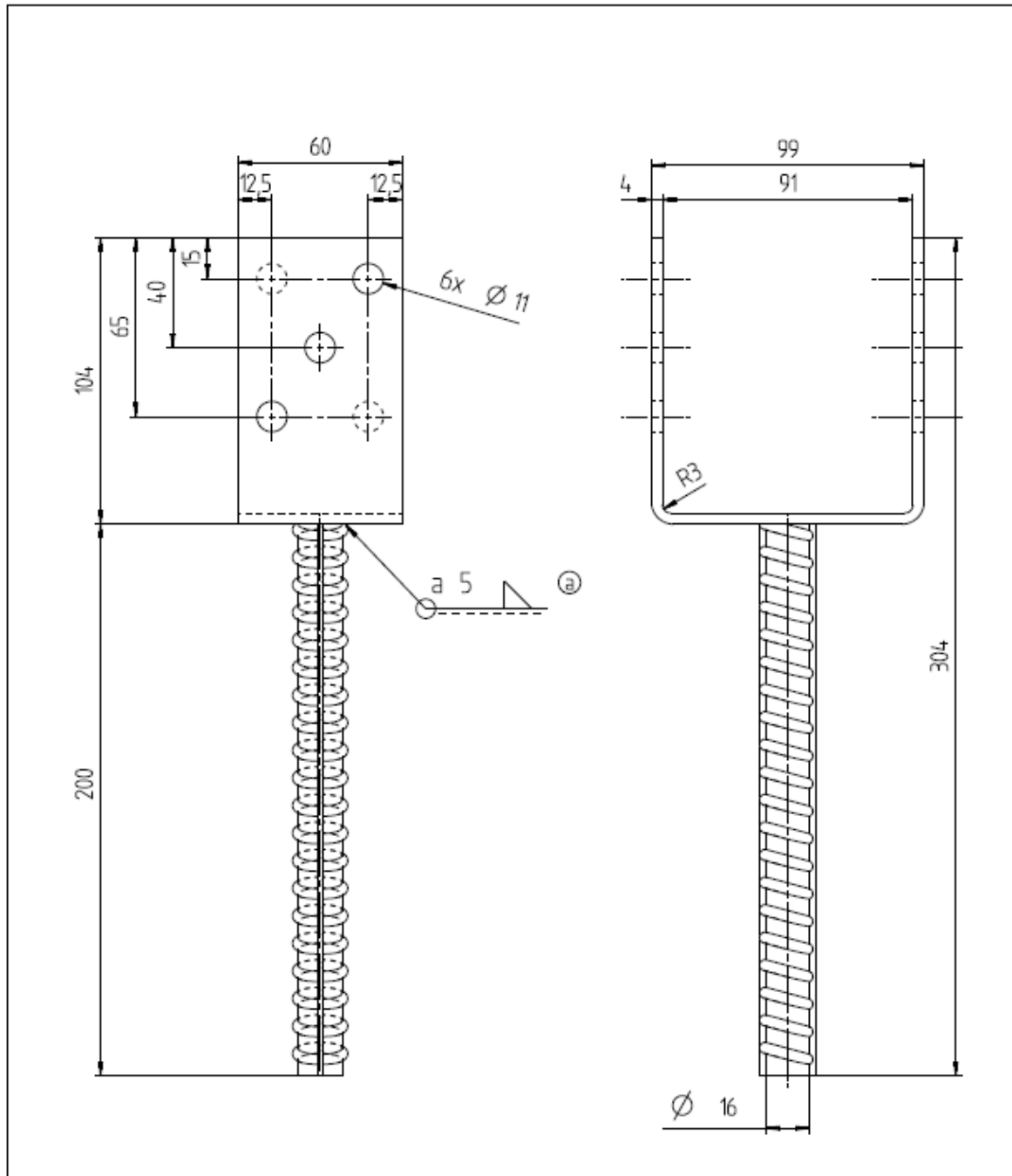
Gewicht: 0,881 kg

| Pos. position | Stck. pc. | Benennung / description   |                 | Abmessung dimensions                           | Zeichnungsnr. drawing number | Bemerkung notes / remarks           |
|---------------|-----------|---|-----------------|--|------------------------------|-------------------------------------|
|               |           | Änderungen nur durch Abteilung K<br>modification only from department K |                 |  | Massstab scale               | Material / material S235JR / 1.0037 |
|               |           |   |                 |  | Typ Nr. typ-number 327       | Bemerkung / notes / remarks 214241  |
| (a)           |           | Schweissnaht war a7 und jetzt a5<br>Änderung / modification             |                 | Datum/date 23.09.2014                          | Name/name Bogdan             |                                     |
|               |           | Datum/date 27.7.09  | Name/name Hunka | Zul. Abw. acceptance tolerance ISO 2768 mittel |                              |                                     |
| GAH ALBERTS   |           |   |                 | Zeichnungsnummer drawing number 0327 0075 2    | Version CE                   |                                     |



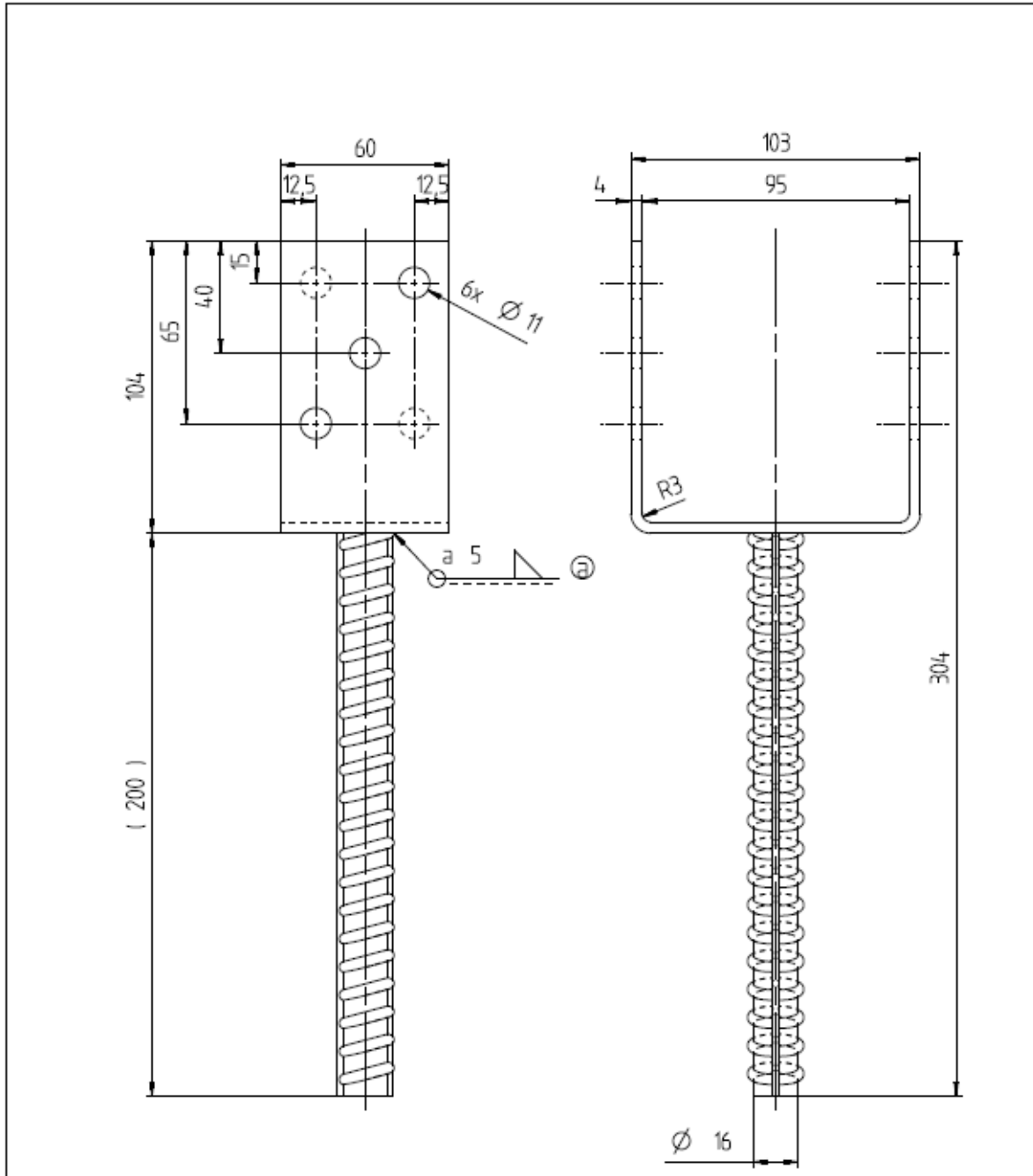
Gewicht: 0,892 kg

| Pos. position   | Stk. pc. | Benennung / description                                    |           | Abmessung dimensions                                 | Zeichnungsnr. drawing number | Bemerkung notes / remarks             |
|---|----------|--|-----------|--|------------------------------|---------------------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |          |  |           | Massstab scale                                       | Material / material          | S235JR / 1.0037                       |
|   |          |  |           | Typ Nr. typ-number                                   | 327                          | Bemerkung / notes / remarks<br>214258 |
| (a)   |          | Schweißnaht war a7 und jetzt a5<br>Änderung / modification |           | 23.09.2014   | Bogdan                       | Benennung / description               |
|   |          | Datum/date   | Name/name | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                              |                                       |
| Bearb./drawer   | 27.7.09  | Hunka  |           |  |                              |                                       |
| Gepr. v. /checked   |          |  |           |  |                              |                                       |
|   |          |  |           | Zeichnungsnummer drawing number                      | 0327 0081 2                  | Version<br>CE                         |



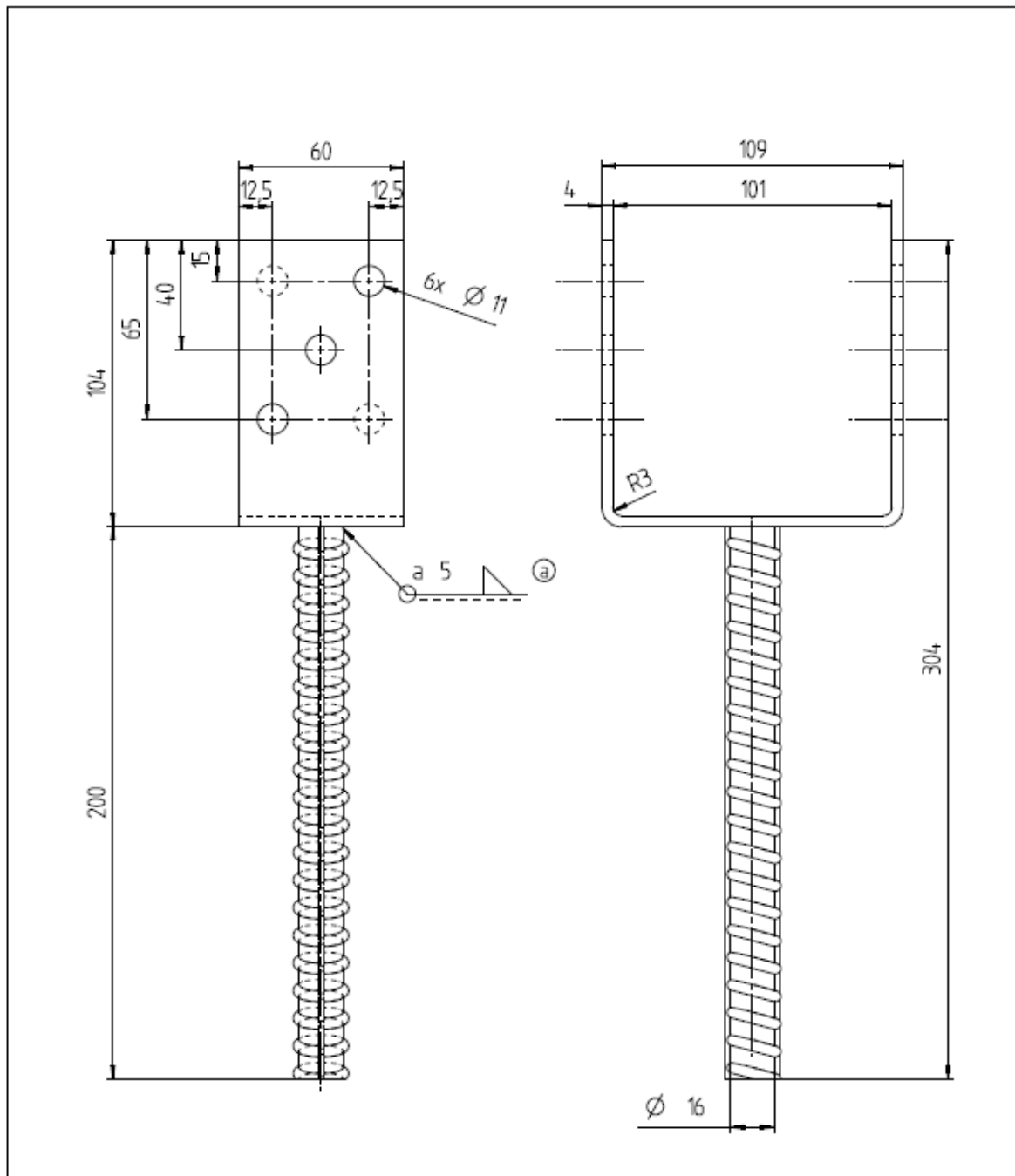
Gewicht: 0,908 kg

| Pos. position   | Stk. pc.                        | Benennung / description |                                | Abmessung dimensions | Zeichnungsnr. drawing number                               | Bemerkung notes / remarks |
|---|---------------------------------|-------------------------|--------------------------------|----------------------|--|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         |                                | Massstab scale       | Material / material  | S235JR / 1.0037           |
|   |                                 |                         |                                | Typ Nr. typ-number   | Bemerkung / notes / remarks                                |                           |
|   |                                 |                         |                                |                      | 327  | 214265                    |
| (a)   | Schweißnaht war a7 und jetzt a5 |                         | 23.09.2014                     | Bogdan               | Benennung / description                                    |                           |
| Zust. condition   | Änderung / modification         |                         | Datum/date                     | Name/name            | Pfostenträger, U-Form, 91mm<br>Post support, U-Shape, 91mm |                           |
|   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance |                      |  |                           |
| Bearb./drawer   | 27.7.09                         | Hunka                   | ISO 2768                       |                      |  |                           |
| Gepr. number  |                                 |                         | mittel                         |                      |  |                           |
| Norm/standard   |                                 |                         |                                |                      |  |                           |
| <b>GAH ALBERTS</b>  |                                 |                         |                                |                      | Zeichnungsnummer drawing number                            | 0327 0091 2               |
|   |                                 |                         |                                |                      | Version  | CE                        |



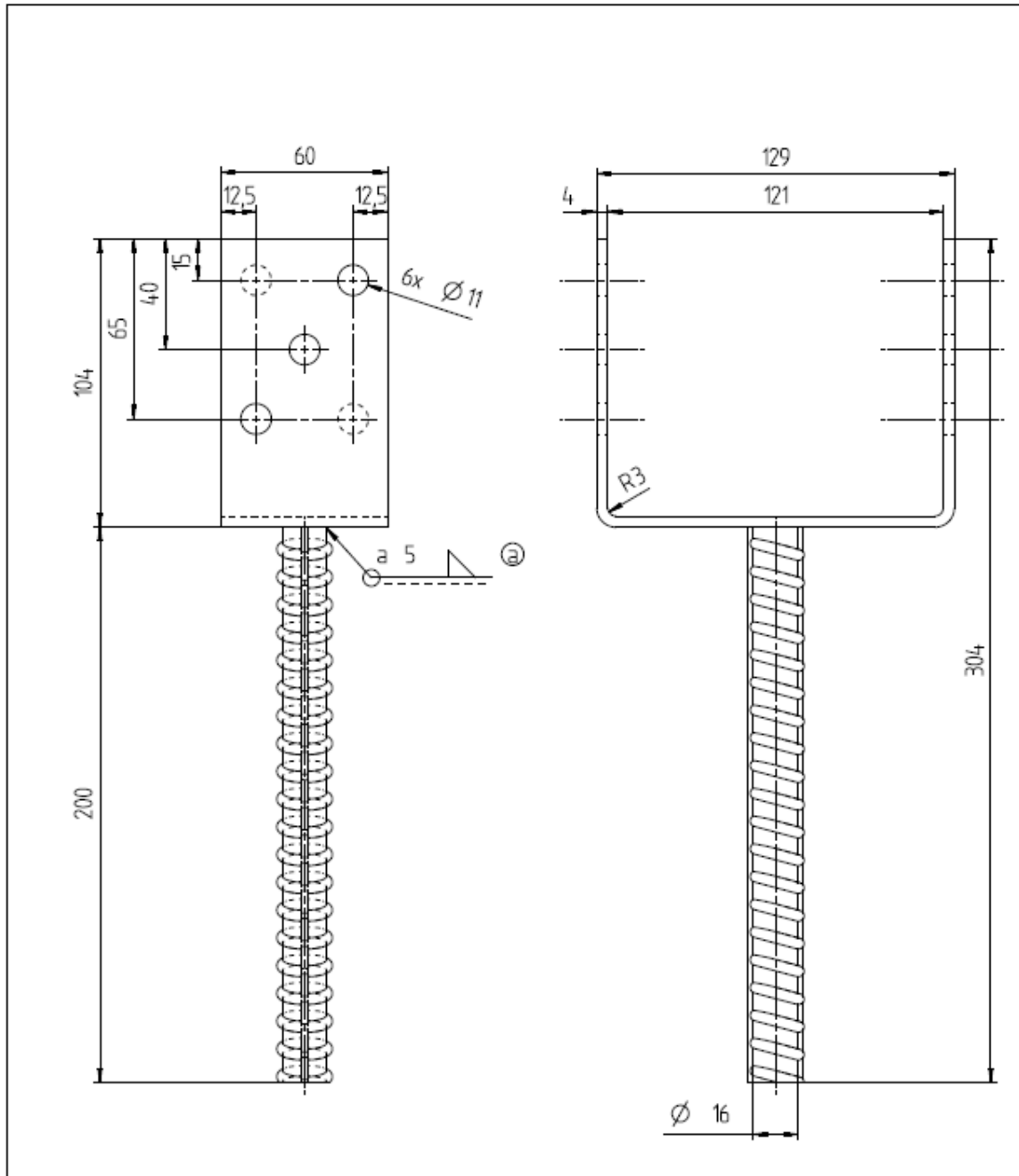
Gewicht: 0,919 kg

|                 |                         |   |                                |                                 |                              |                           |
|-----------------|-------------------------|---|--------------------------------|---------------------------------|------------------------------|---------------------------|
| Pos. position   | Sfck. pt.               | Benennung / description   |                                | Abmessung dimensions            | Zeichnungsnr. drawing number | Bemerkung notes / remarks |
|                 |                         | Änderungen nur durch Abteilung K<br>modification only from department K |                                | Massstab scale                  | Material / material          | S235JR / 1.0037           |
|                 |                         |   |                                | Typ Nr. typ-number              | Bemerkung / notes / remarks  |                           |
|                 |                         |   |                                |                                 | 327                          | 214,272                   |
| Ⓐ               |                         | Schweißnaht war a7 und jetzt a5   |                                | 23.09.2014                      | Bogdan                       |                           |
| Zust. condition | Änderung / modification |   | Datum/date                     | Benennung / description         |                              |                           |
|                 | Datum/date              | Name/name   | Zul. Abw. acceptance tolerance |                                 |                              |                           |
| Bearb./drawer   | 28.7.09                 | Hunka   | ISO 2768                       |                                 |                              |                           |
| Gepr. examiner  |                         |   | mittel                         |                                 |                              |                           |
| Norm/standard   |                         |   |                                |                                 |                              |                           |
| GAH ALBERTS     |                         |   |                                | Zeichnungsnummer drawing number | 0327 0095 2                  | Version CE                |



Gewicht: 0,93 kg

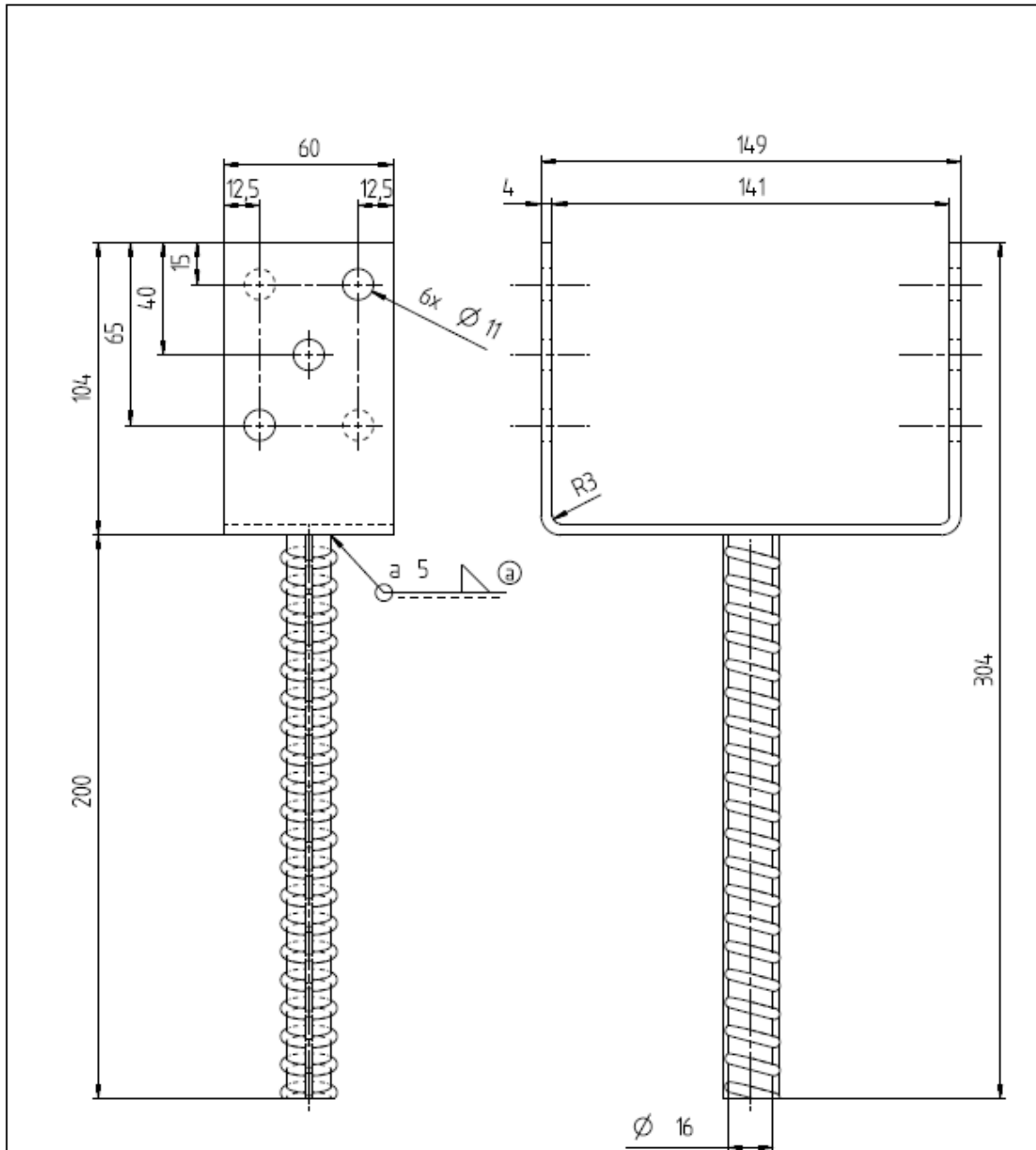
| Pos. position   | Stck. pc.                       | Benennung / description | Abmessung dimensions                                 | Zeichnungsnr. drawing number    | Bemerkung notes / remarks |
|---|---------------------------------|-------------------------|--|---------------------------------|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         | Massstab scale                                       | Material / material             | S235JR / 1,0037           |
|   |                                 |                         | Typ Nr. typ-number                                   | Bemerkung / notes / remarks     |                           |
|   |                                 |                         |  | 327                             | 214289                    |
| (a)   | Schweißnaht war a7 und jetzt a5 |                         | 23.09.2014   | Bogdan                          | Benennung / description   |
| Zust. condition   | Änderung / modification         |                         | Datum/date   | Name/name                       |                           |
|   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |                           |
| Bearb./dräwer   | 28.7.09                         | Hunka                   |  |                                 |                           |
| Exp./exhibitor  |                                 |                         |  |                                 |                           |
| Norm/standard   |                                 |                         |  |                                 |                           |
| GAH ALBERTS   |                                 |                         |  | Zeichnungsnummer drawing number | 0327 0101 2               |
|   |                                 |                         |  | Version                         | CE                        |



Gewicht: 0,967 kg

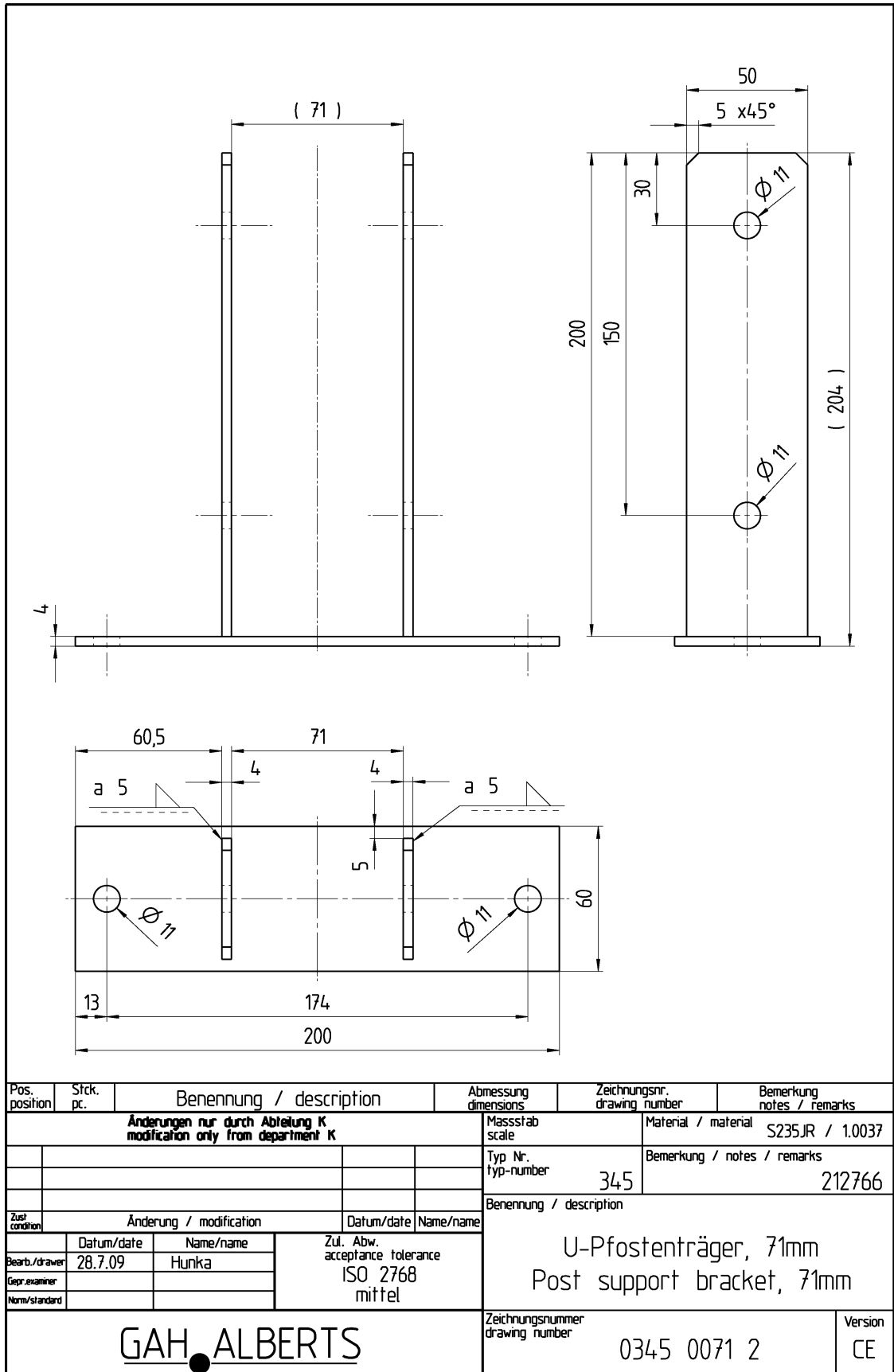
|                 |                         |   |            |  |                              |                                     |
|-----------------|-------------------------|---|------------|--|------------------------------|-------------------------------------|
| Pos. position   | Stck. pc.               | Benennung / description   |            | Abmessung dimensions                                 | Zeichnungsnr. drawing number | Bemerkung notes / remarks           |
|                 |                         | Änderungen nur durch Abteilung K<br>modification only from department K |            | Maßstab scale  |                              | Material / material S235JR / 1,0037 |
|                 |                         |   |            | Typ Nr. typ-number                                   | 327                          | Bemerkung / notes / remarks 214296  |
| Ⓐ               |                         | Schweißnaht war a7 und jetzt a5   |            | Datum/date   | 23.09.2014                   | Bogdan                              |
| Zust. condition | Änderung / modification |   | Datum/date | Name/name  |                              |                                     |
| Bearb./drawer   | Datum/date              | Name/name   |            | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                              |                                     |
| Gepr. examiner  | 5.8.09                  | Hunka   |            |  |                              |                                     |
| Norm/standard   |                         |   |            |  |                              |                                     |
| GAH ALBERTS     |                         |   |            | Zeichnungsnummer drawing number                      | 0327 0121 2                  |                                     |
|                 |                         |   |            |  |                              | Version CE                          |



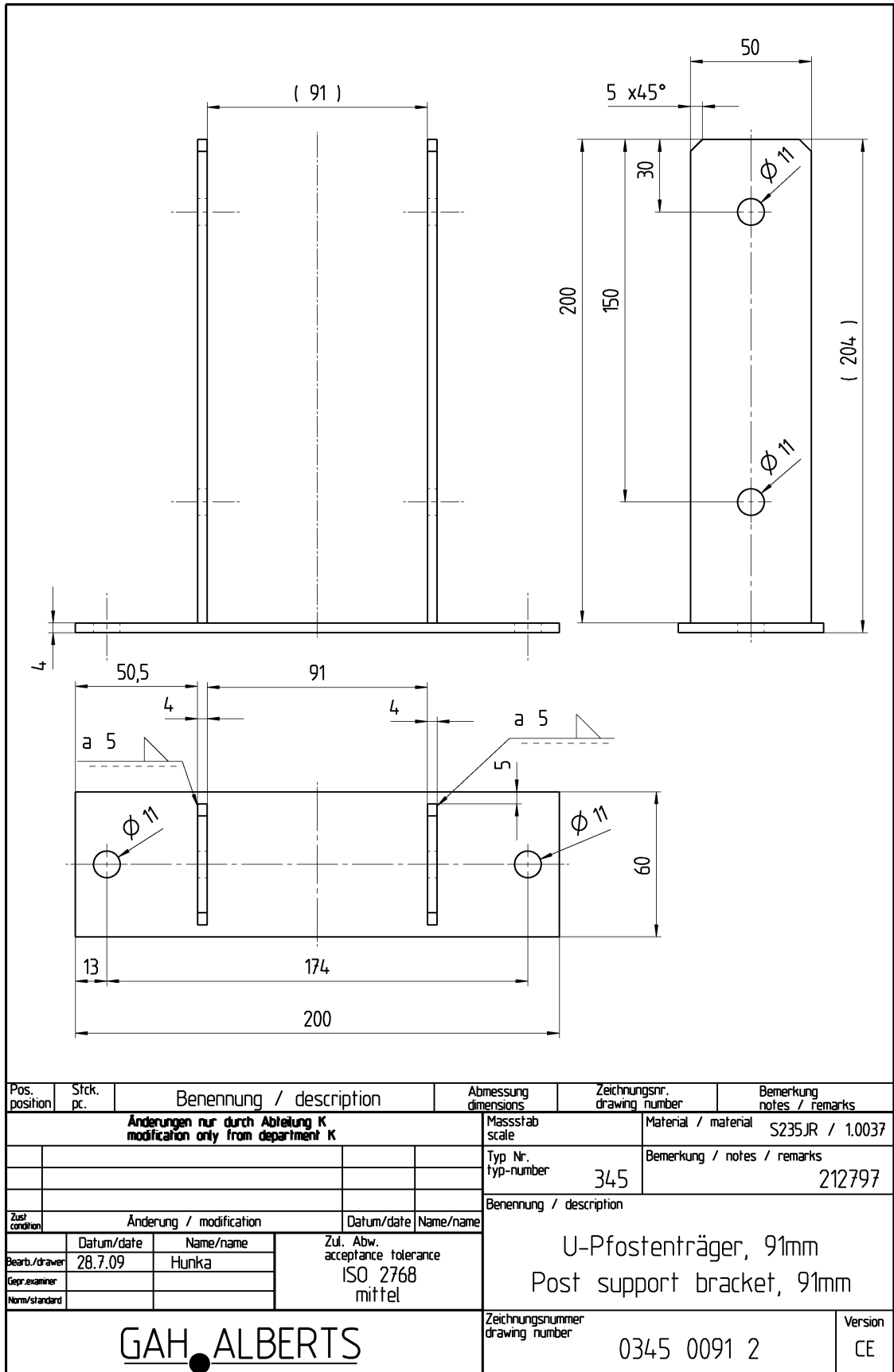


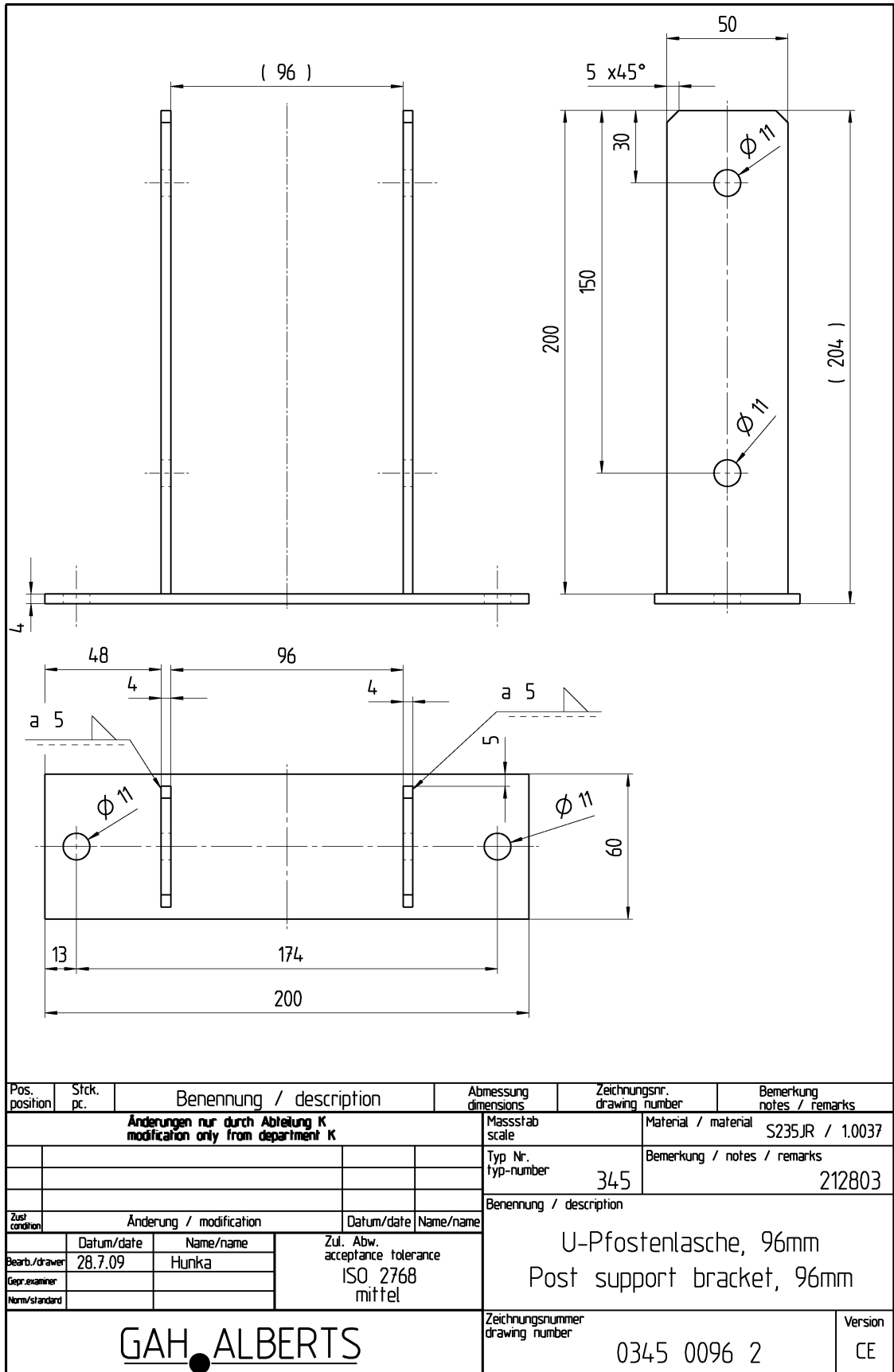
Gewicht: 1,005 kg

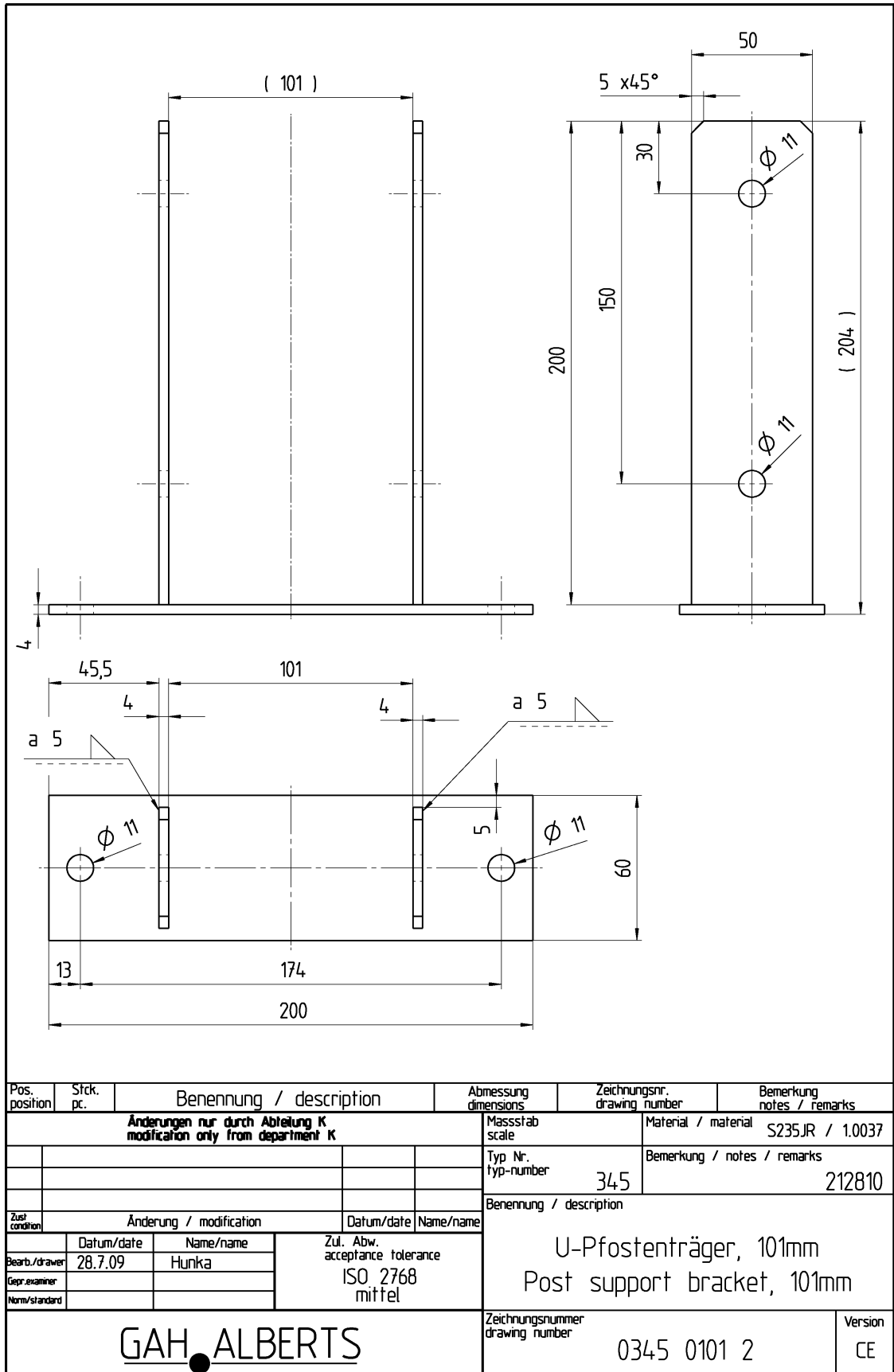
| Pos. position   | Stück. pc. | Benennung / description   | Abmessung dimensions                                 | Zeichnungsnr. drawing number                                 | Bemerkung notes / remarks             |
|-----------------|------------|---|--|--|---------------------------------------|
|                 |            | Änderungen nur durch Abteilung K<br>modification only from department K | Massstab<br>scale                                    |  | Material / material S235JR / 1.0037   |
|                 |            |   | Typ Nr.<br>typ-number                                | 327  | Bemerkung / notes / remarks<br>214302 |
| (a)             |            | Schweißnaht war a7 und jetzt a5   | Datum/date   | 23.09.2014   | Name/name<br>Bogdan                   |
| Zust. condition |            | Änderung / modification   | Datum/date   |  | Name/name                             |
| Bearb./drawer   |            | Datum/date  |  |  |                                       |
| Gepr. examiner  |            | Name/name   |  |  |                                       |
| Norm/standard   |            |   |  |  |                                       |
|                 |            |   | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel | Pfostenträger, U-Form, 141mm<br>Post support, U-Shape, 141mm |                                       |
| GAH ALBERTS     |            |   | Zeichnungsnummer<br>drawing number                   | 0327 0141 2  | Version<br>CE                         |



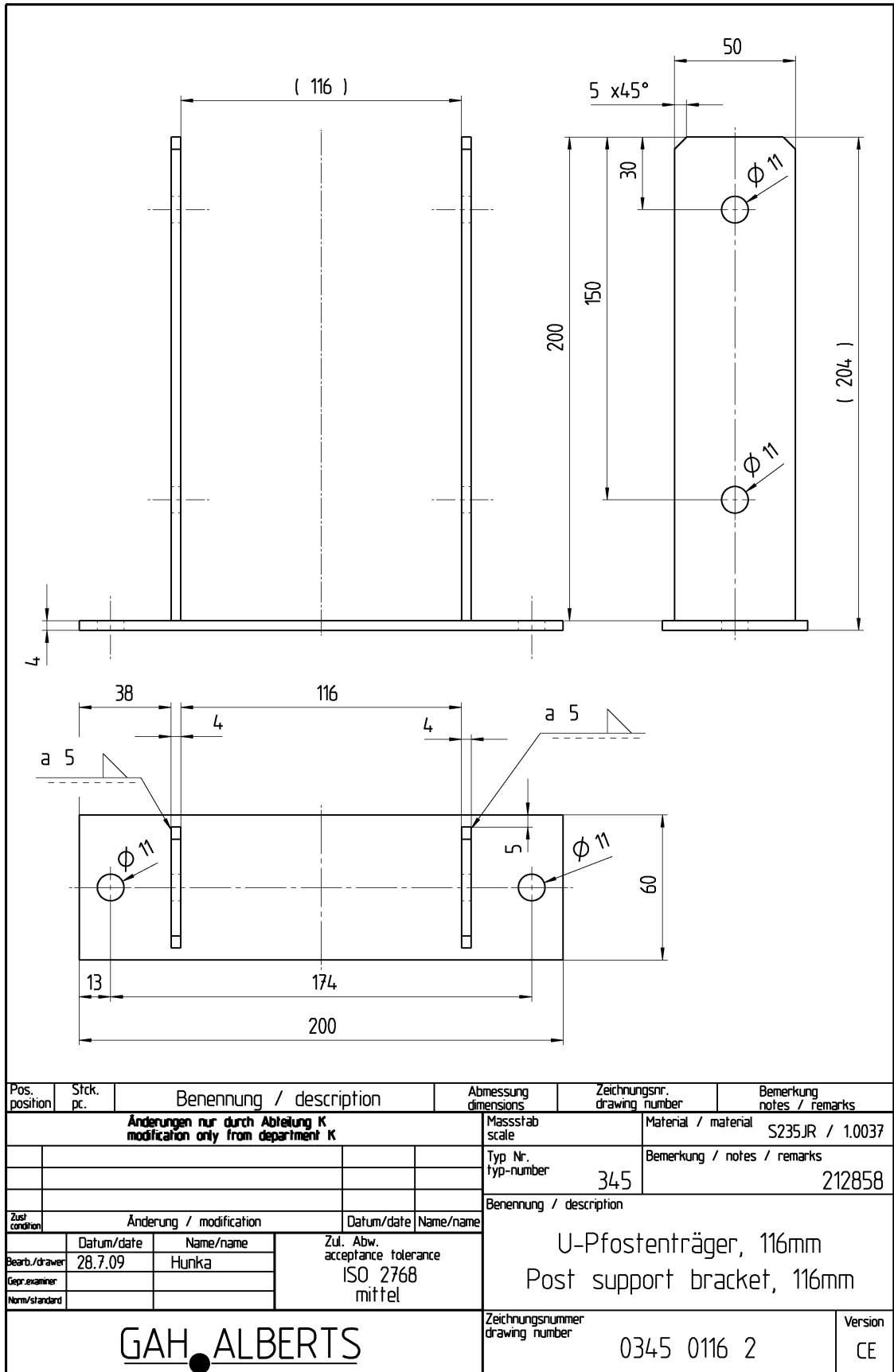




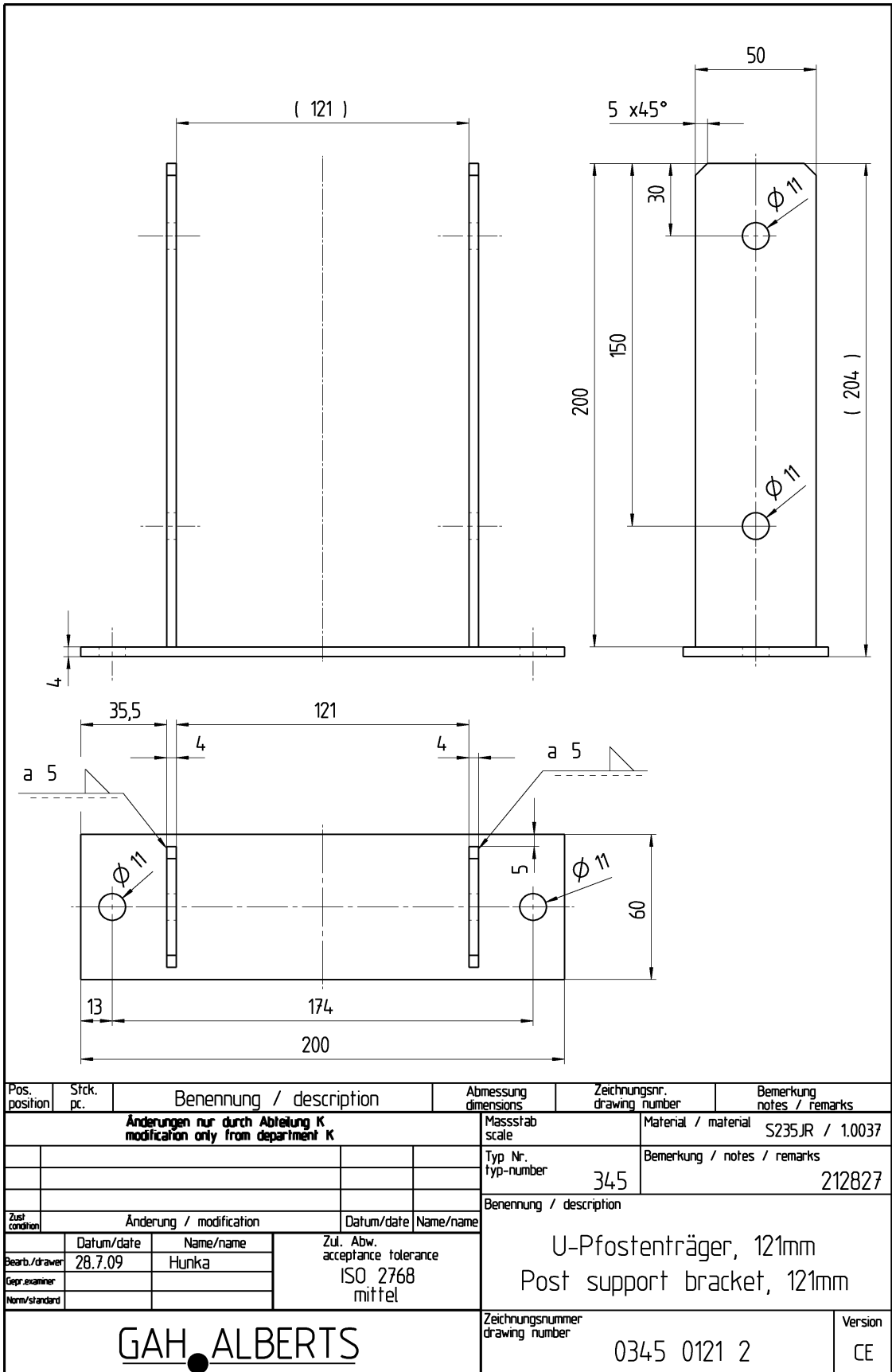


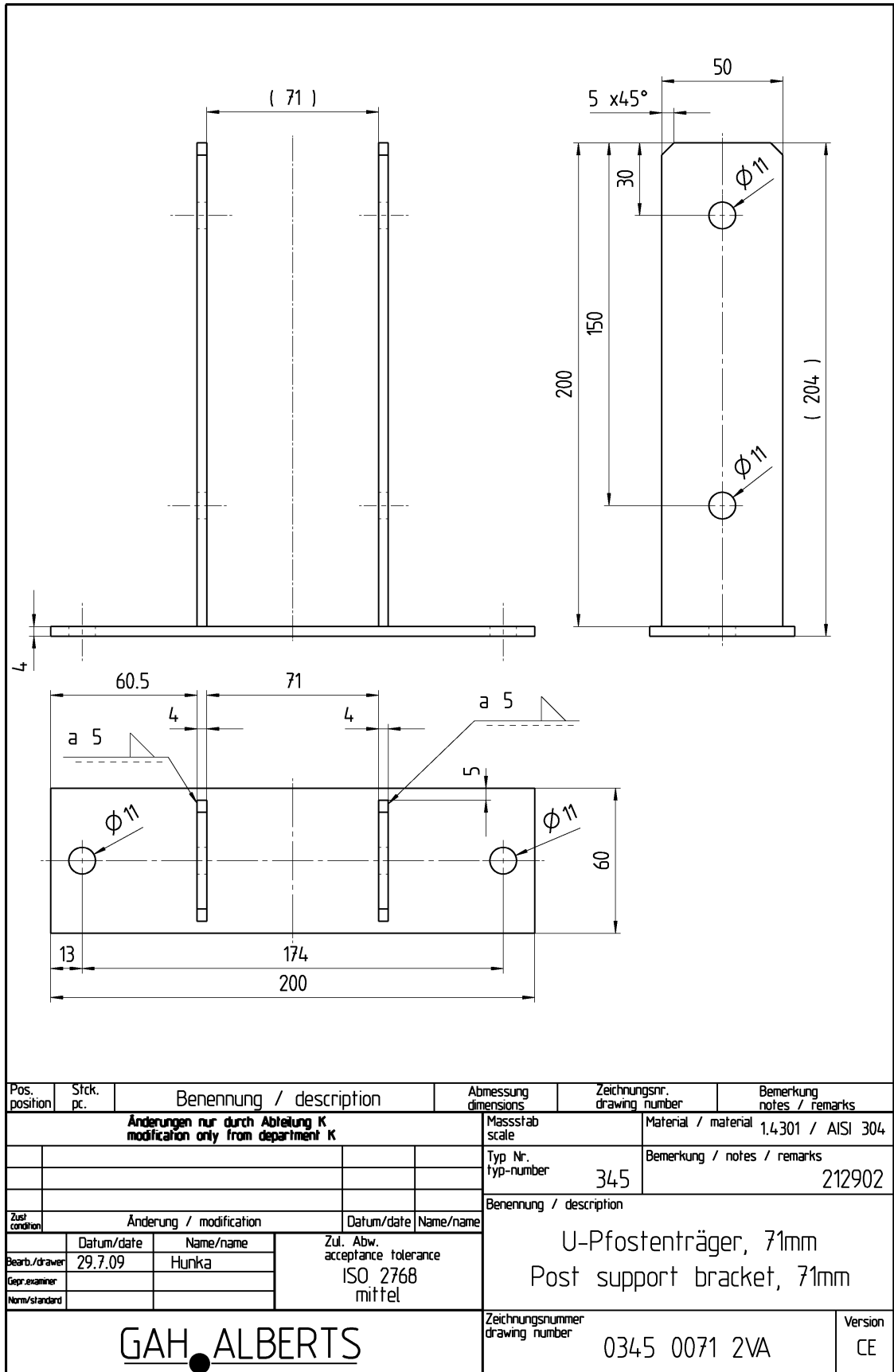




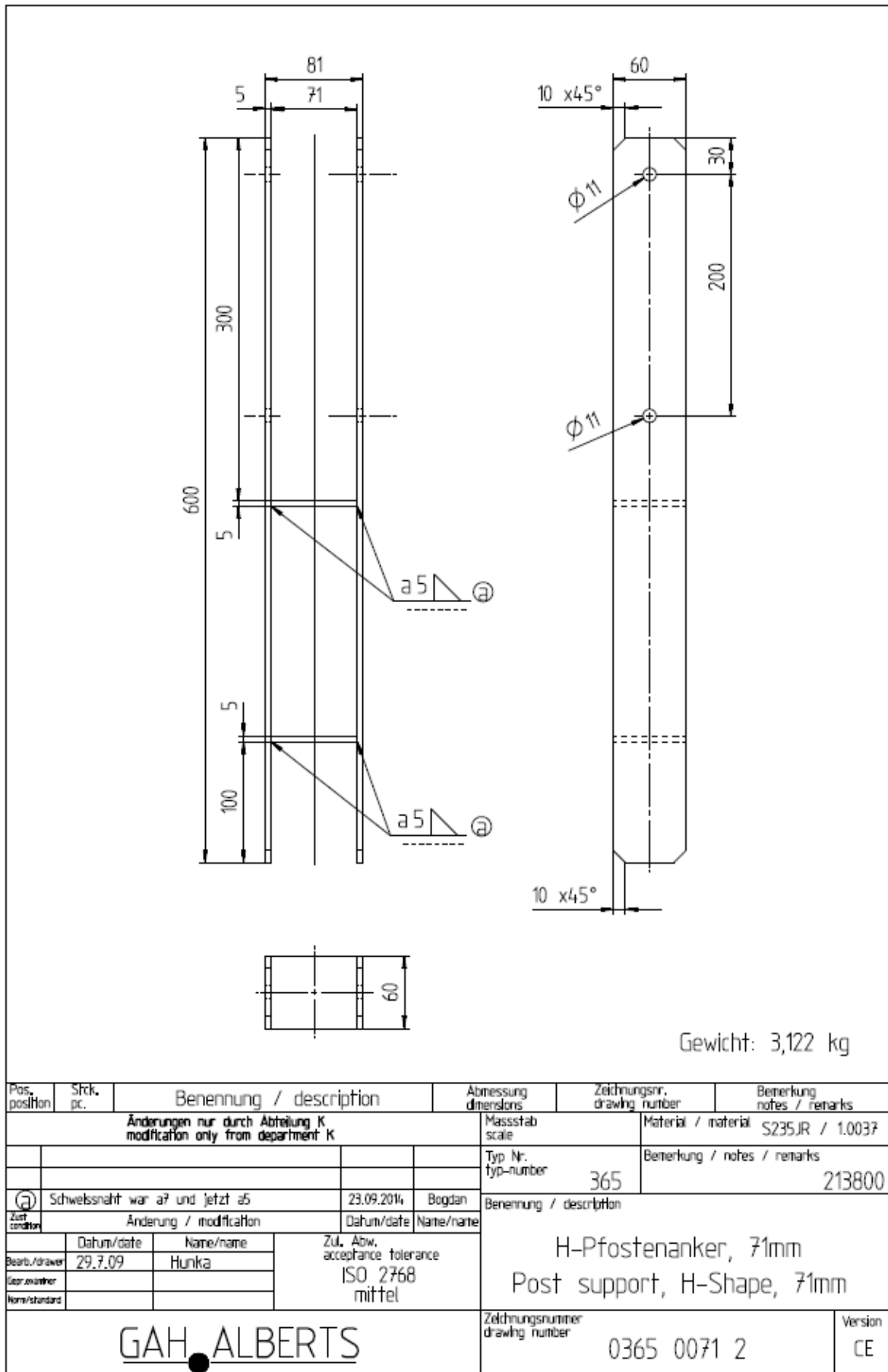


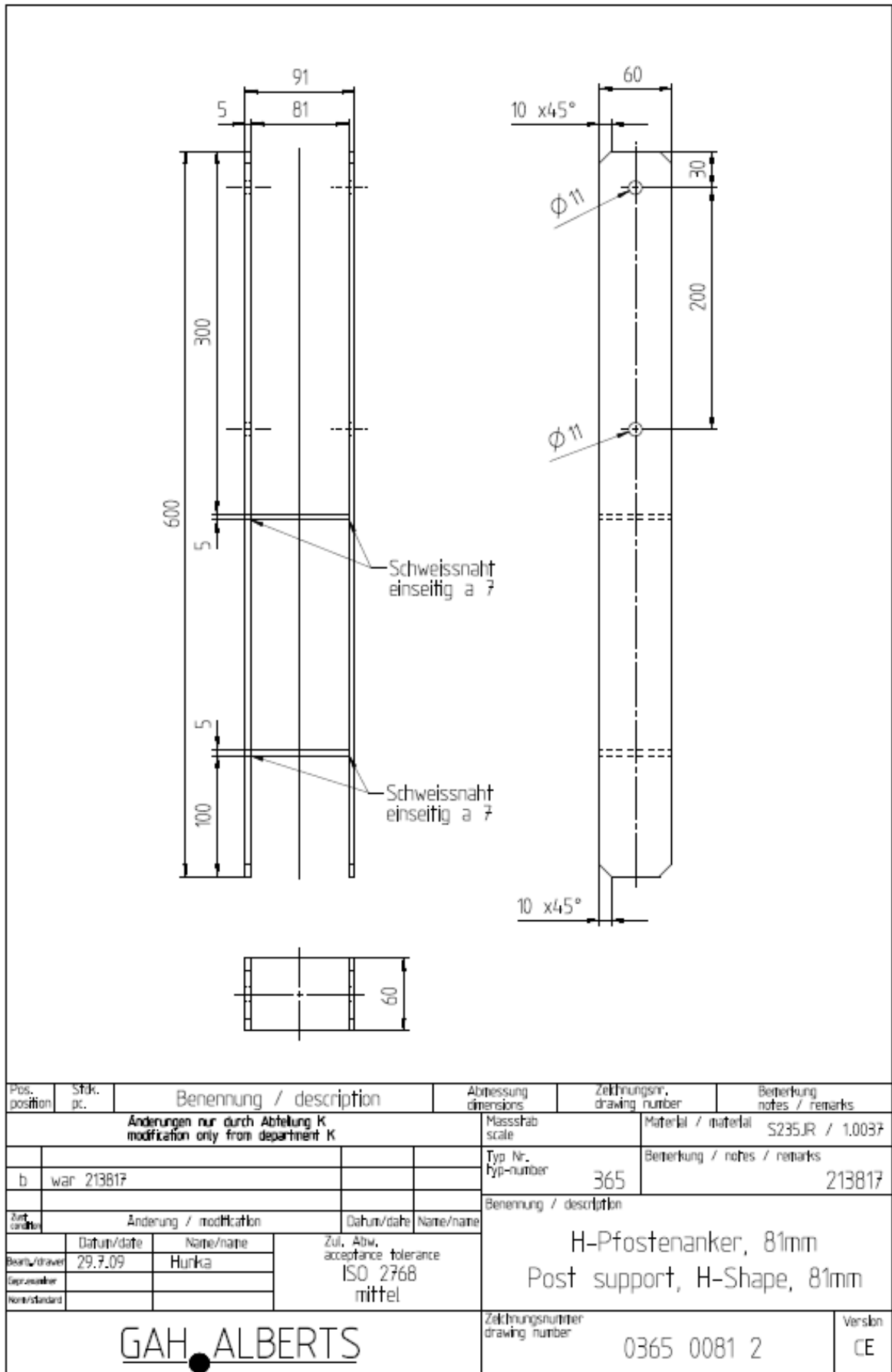


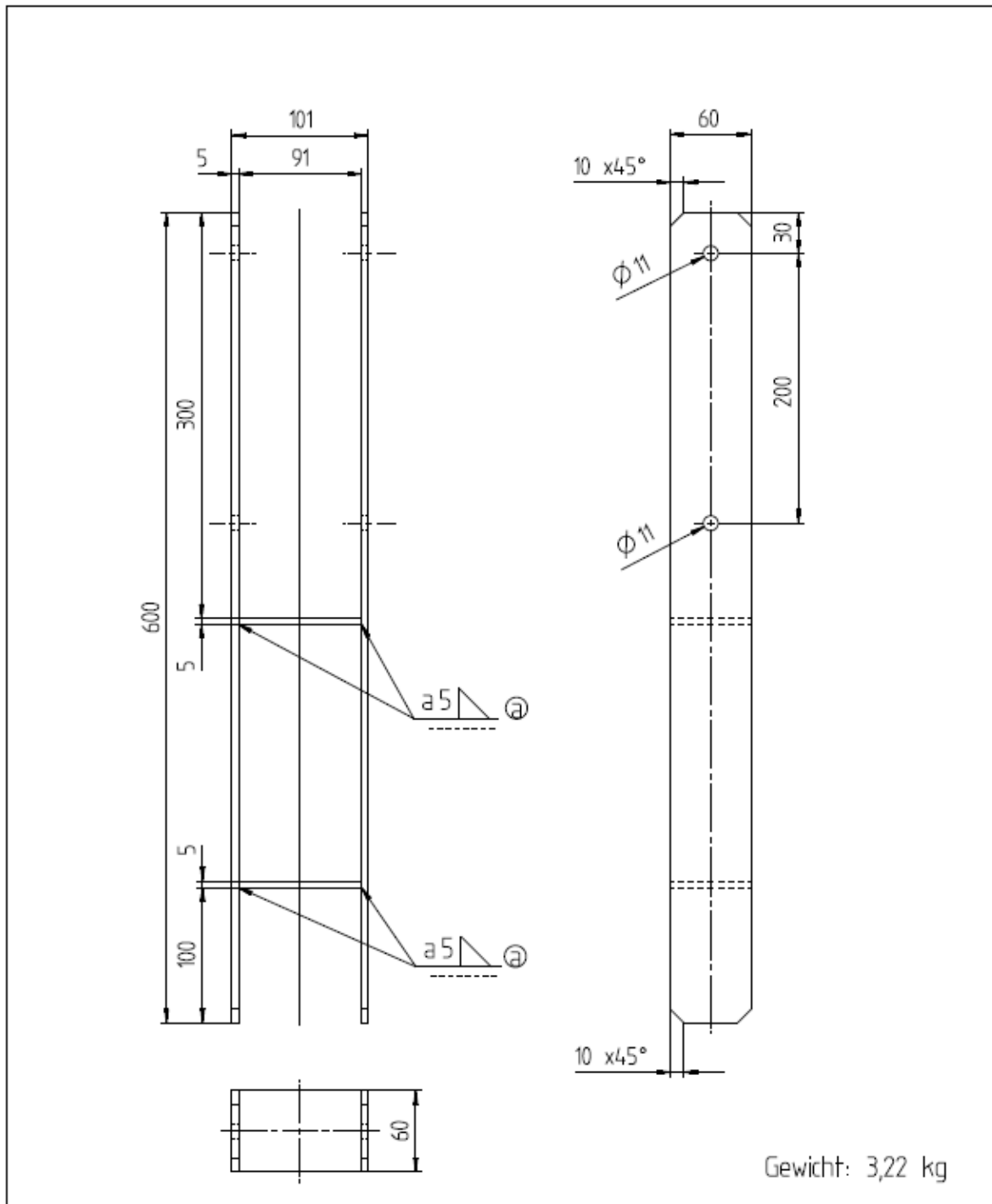






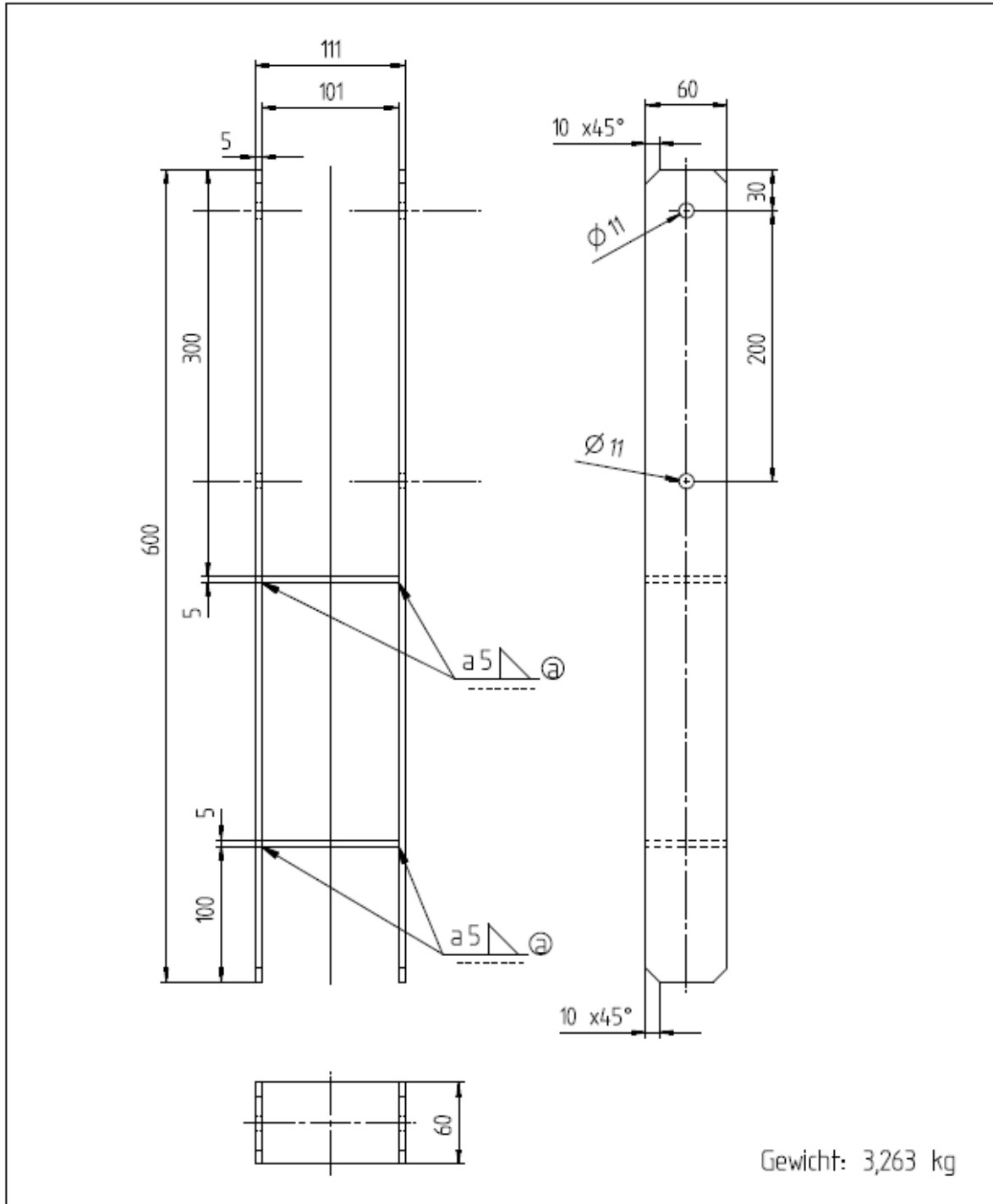






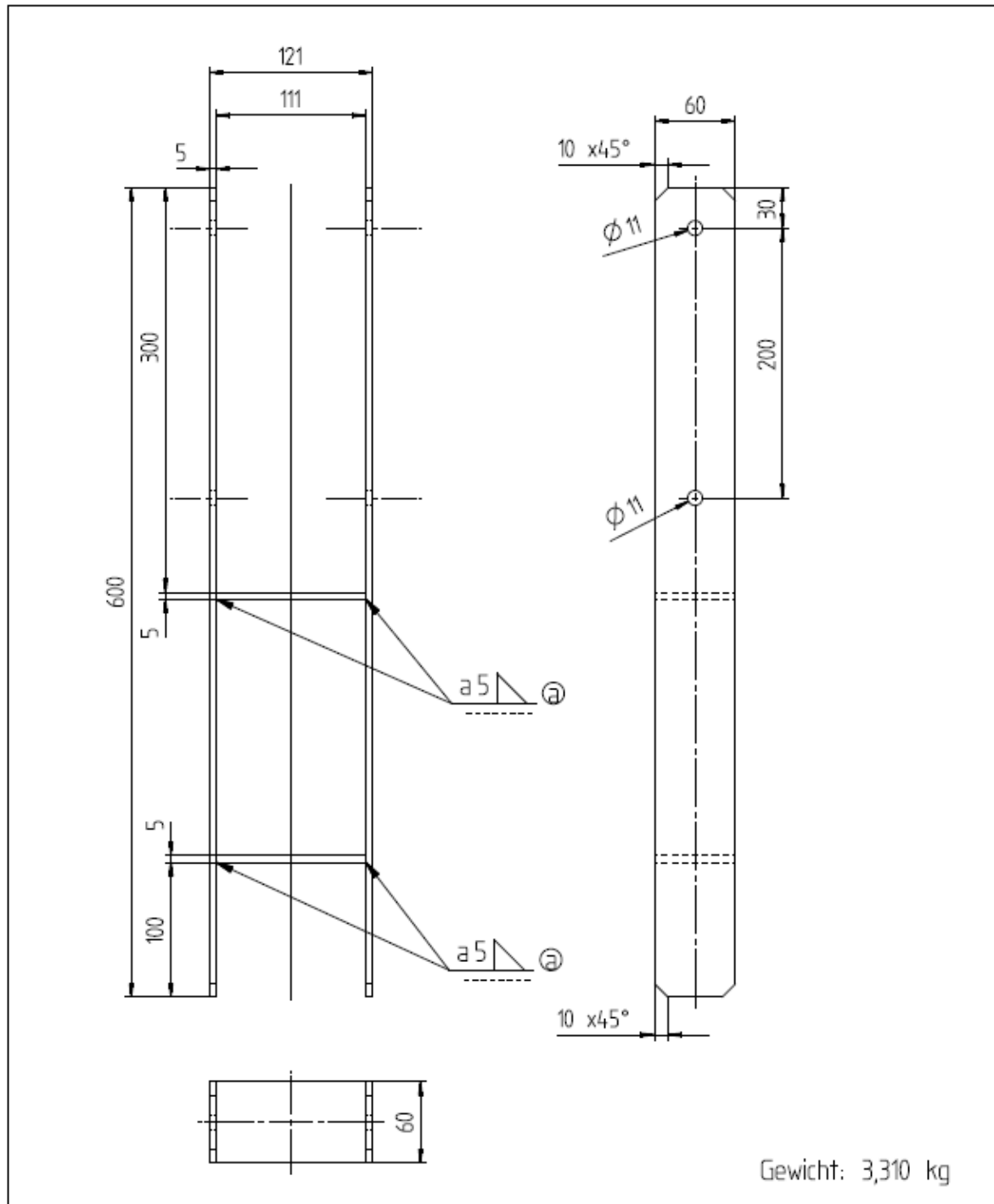
Gewicht: 3,22 kg

| Pos. position   | Sfck. pc.  | Benennung / description |  | Abmessung dimensions            | Zeichnungsnr. drawing number        | Bemerkung notes / remarks |
|---|--|-------------------------|--|---------------------------------|-------------------------------------|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |  |                         |  | Massstab scale                  | Material / material S235JR / 1.0037 |                           |
|   |  |                         |  | Typ Nr. typ-number              | Bemerkung / notes / remarks         |                           |
|   |  |                         |  |                                 | 365                                 | 213824                    |
| Ⓐ   | Schweißnaht war a7 und jetzt a5<br>Anderung / modification |                         | Datum/date   | Benennung / description         |                                     |                           |
|   |  |                         | 23.09.2014   | H-Pfostenanker, 91mm            |                                     |                           |
|   |  |                         | Bogdan   | Post support, H-Shape, 91mm     |                                     |                           |
|   | Datum/date   | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |                                     |                           |
| Bearb./drawer   | 29.7.09  | Hunka                   |  |                                 |                                     |                           |
| Gepr. examiner  |  |                         |  |                                 |                                     |                           |
| Norm/standard   |  |                         |  |                                 |                                     |                           |
| GAH ALBERTS   |  |                         |  | Zeichnungsnummer drawing number | 0365 0091 2                         |                           |
|   |  |                         |  | Version                         |                                     | CE                        |



Gewicht: 3,263 kg

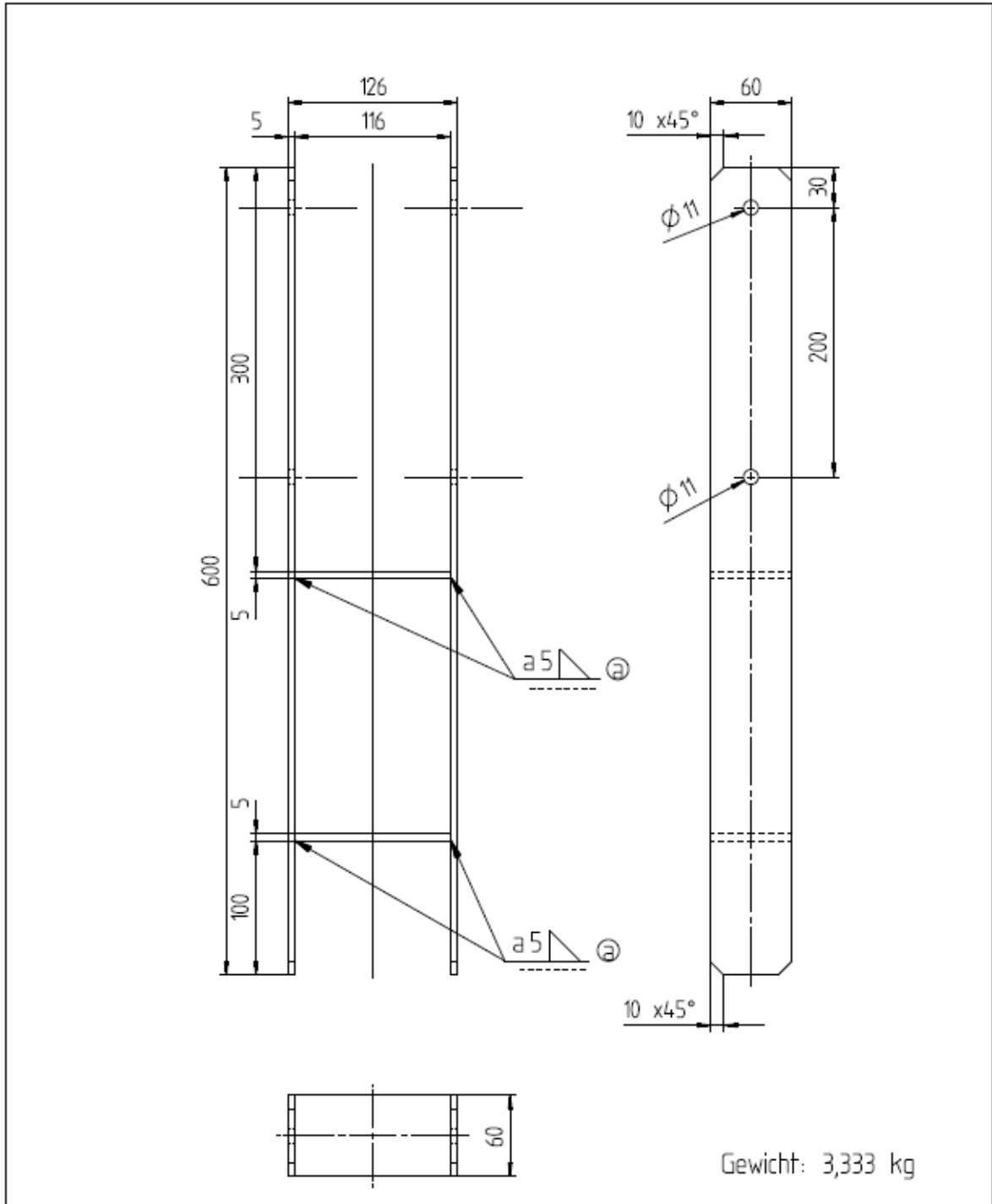
| Pos. position      | Stck. pc. | Benennung / description   |            | Abmessung dimensions                                 | Zeichnungsnr. drawing number                          | Bemerkung notes / remarks             |
|--------------------|-----------|---|------------|--|---|---------------------------------------|
|                    |           | Änderungen nur durch Abteilung K<br>modification only from department K |            | Massstab scale                                       | Material / material                                   | S235JR / 1.0037                       |
|                    |           |   |            | Typ Nr. typ-number                                   | 365   | Bemerkung / notes / remarks<br>203917 |
| Ⓐ                  |           | Schweißnaht war a7 und jetzt a5   | 23.09.2014 | Bogdan   | Benennung / description                               |                                       |
| Zust. condition    |           | Änderung / modification   | Datum/date | Name/name  | H-Pfostenanker, 101mm<br>Post support, H-Shape, 101mm |                                       |
| Bearb./drawer      | 29.7.09   | Hunka   |            | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |   |                                       |
| Leg. number        |           |   |            |  |   |                                       |
| Norm/standard      |           |   |            |  |   |                                       |
| <b>GAH ALBERTS</b> |           |   |            | Zeichnungsnummer drawing number                      | 0365 0101 2   | Version<br>CE                         |



Gewicht: 3,310 kg

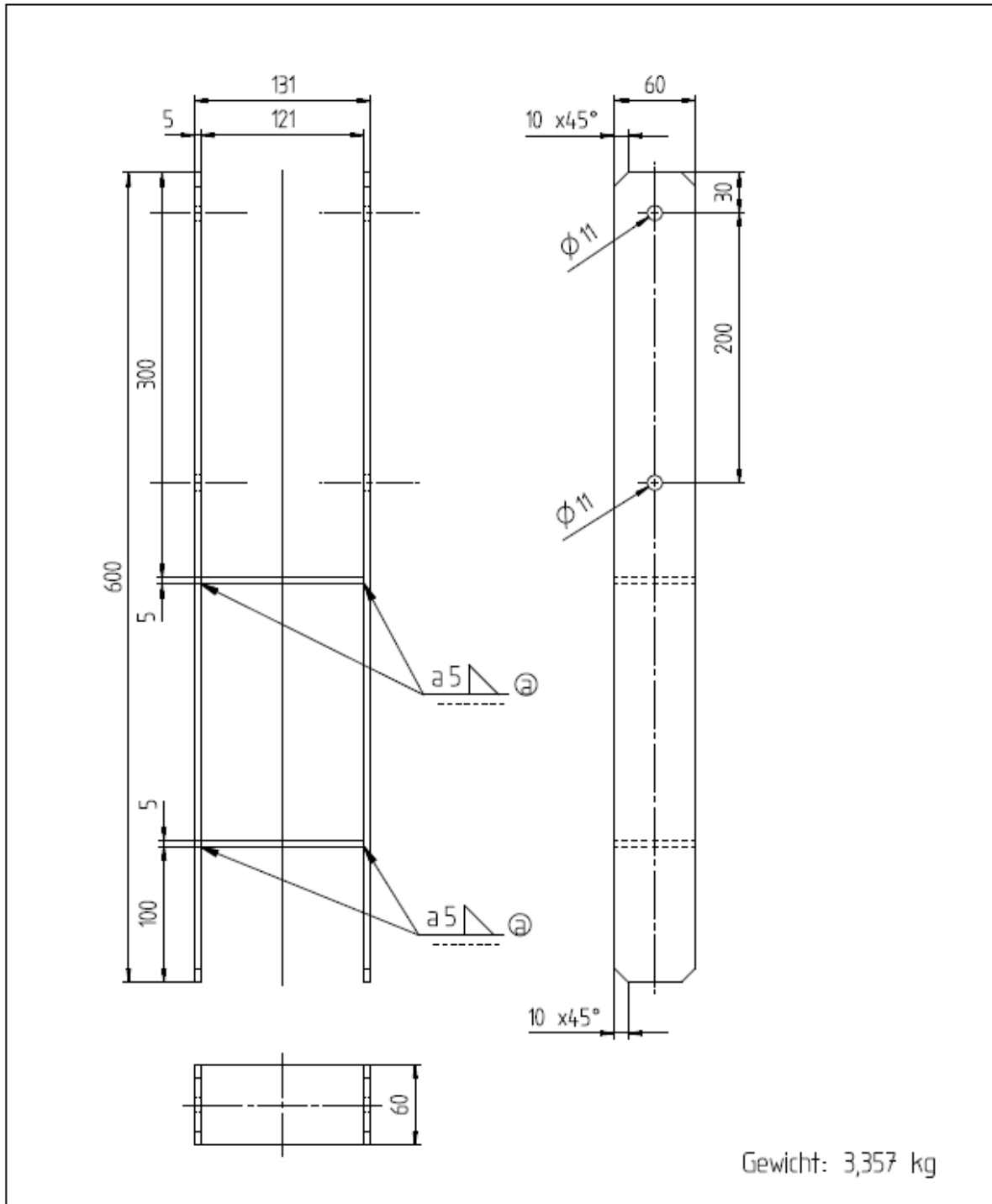
|                 |                         |   |                                |                                 |                              |                                       |
|-----------------|-------------------------|---|--------------------------------|---------------------------------|------------------------------|---------------------------------------|
| Pos. position   | Stck. pc.               | Benennung / description   |                                | Abmessung dimensions            | Zeichnungsnr. drawing number | Bemerkung notes / remarks             |
|                 |                         | Änderungen nur durch Abteilung K<br>modification only from department K |                                | Massstab scale                  | Material / material          | S235JR / 1,0037                       |
|                 |                         |   |                                | Typ Nr. typ-number              | 365                          | Bemerkung / notes / remarks<br>203924 |
| Ⓜ               |                         | Schweissnaht war a7 und jetzt a5  |                                | 23.09.2014                      | Bogdan                       |                                       |
| Zust. condition | Änderung / modification |   | Datum/date                     | Name/name                       |                              |                                       |
|                 | Datum/date              | Name/name   | Zul. Abw. acceptance tolerance |                                 |                              |                                       |
| Bearb./drawer   | 29.7.09                 | Hunka   | ISO 2768 mittel                |                                 |                              |                                       |
| Gez./engineer   |                         |   |                                |                                 |                              |                                       |
| Norm/standard   |                         |   |                                |                                 |                              |                                       |
| GAH ALBERTS     |                         |   |                                | Zeichnungsnummer drawing number | 0365 0111 2                  | Version<br>CE                         |





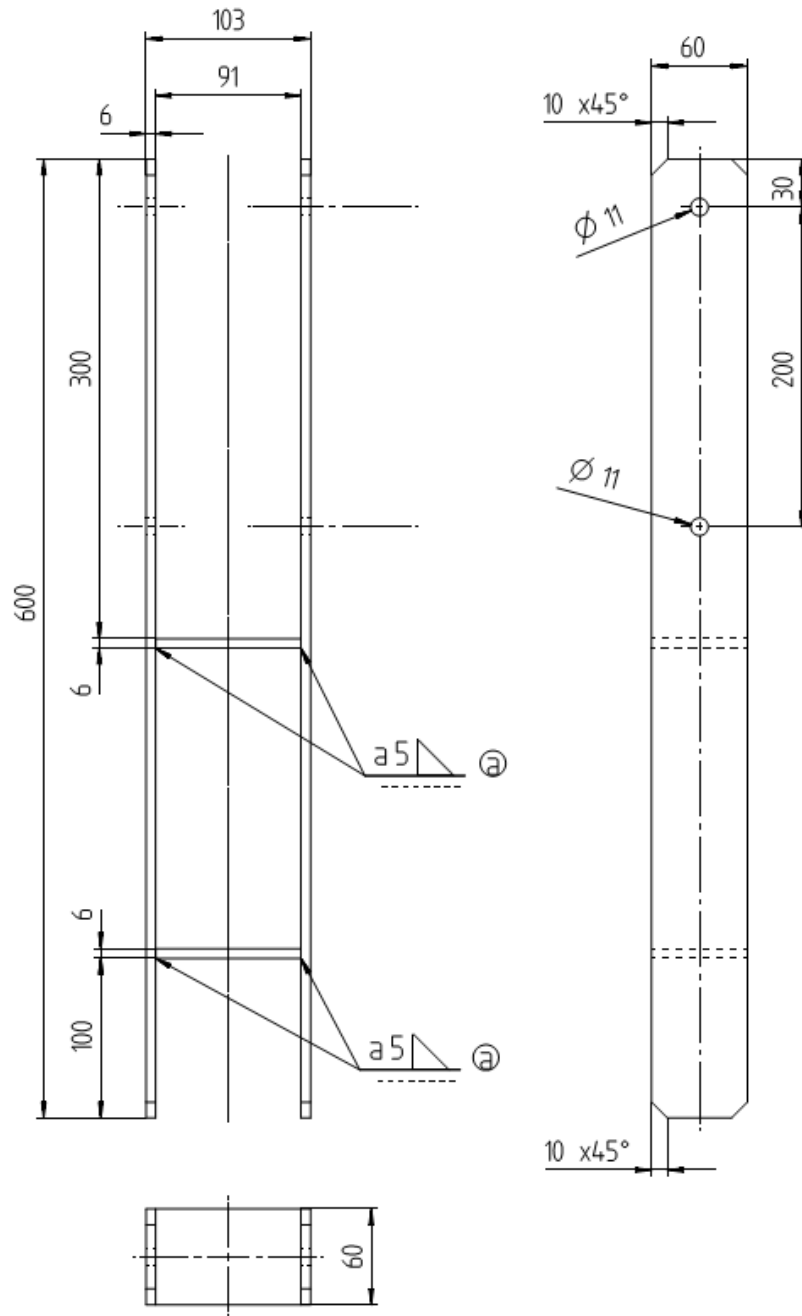
Gewicht: 3,333 kg

|                    |                         |   |  |                                 |  |  |
|--------------------|-------------------------|---|--|---------------------------------|--|--|
| Pos. position      | Stk. pc.                | Benennung / description   |  | Abmessung dimensions            | Zeichnungsnr. drawing number                           | Bemerkung notes / remarks              |
|                    |                         | Änderungen nur durch Abteilung K<br>modification only from department K |  | Massstab scale                  |  | Material / material<br>S235JR / 1.0037 |
|                    |                         |   |  | Typ Nr. typ-number              | 365  | Bemerkung / notes / remarks<br>203931  |
| ⓐ                  |                         | Schweissnaht war a7 und jetzt a5  | 23.09.2014   | Bogdan                          | Benennung / description                                |  |
| Zust. condition    | Änderung / modification |   | Datum/date   | Name/name                       | H-Pfostenträger, 116mm<br>Post support, H-Shape, 116mm |  |
| Bearb./drawer      | Datum/date              | Name/name   | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |  |  |
| Gepr. examiner     |                         |   |  |                                 |  |  |
| Norm/standard      |                         |   |  |                                 |  |  |
| <b>GAH ALBERTS</b> |                         |   |  | Zeichnungsnummer drawing number | 0365 0116 2  | Version<br>CE                          |



Gewicht: 3,357 kg

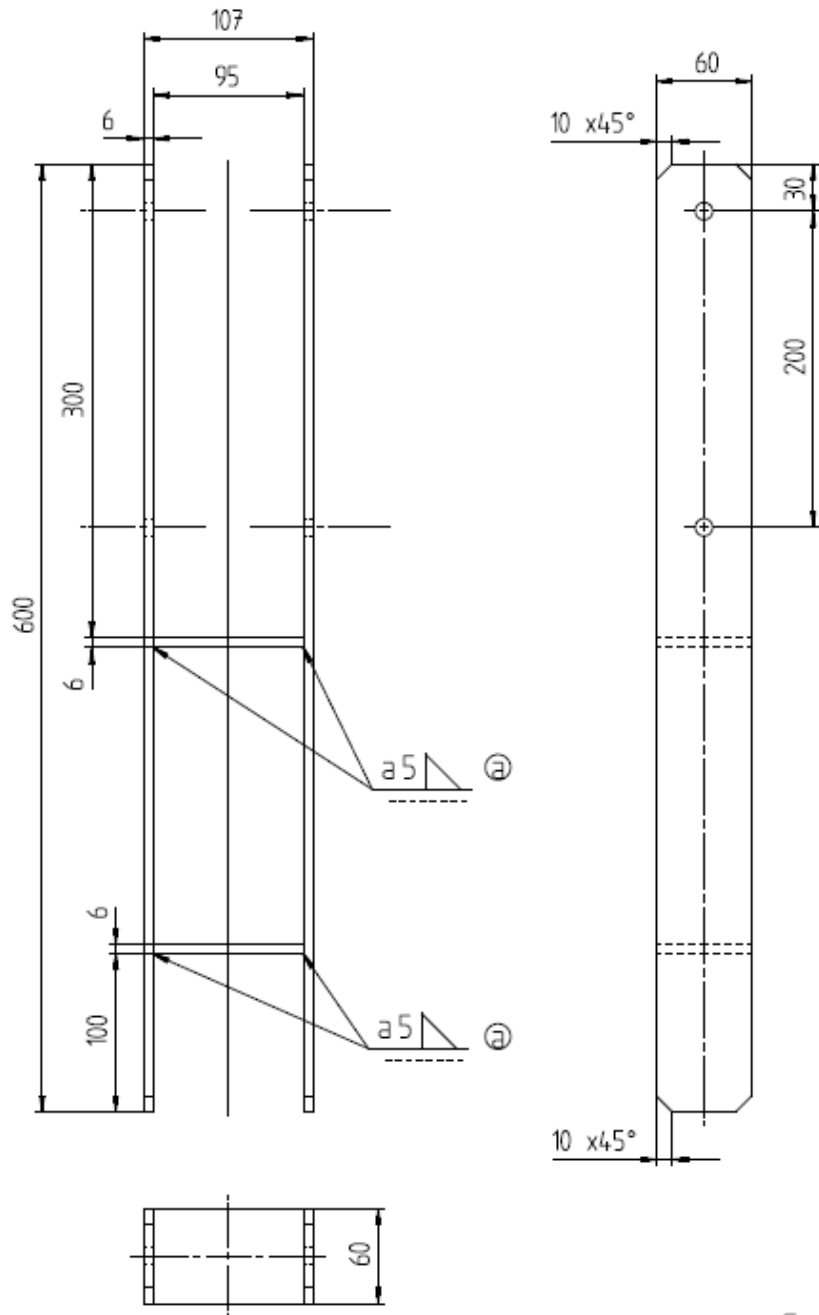
| Pos. position      | Sfck. pt. | Benennung / description   |            | Abmessung dimensions                           | Zeichnungsnr. drawing number | Bemerkung notes / remarks           |
|--------------------|-----------|---|------------|--|------------------------------|-------------------------------------|
|                    |           | Änderungen nur durch Abteilung K<br>modification only from department K |            | Massstab scale                                 |                              | Material / material S235JR / 1.0037 |
|                    |           |   |            | Typ Nr. typ-number                             | 365                          | Bemerkung / notes / remarks 203948  |
| ⓐ                  |           | Schweissnaht war a7 und jetzt a5  | 23.09.2014 | Bogdan   | Benennung / description      |                                     |
| Zust. condition    |           | Änderung / modification   |            | Datum/date                                     | Name/name                    |                                     |
| Bearb./drawer      | 31.7.09   | Name/name Hunka   |            | Zul. Abw. acceptance tolerance ISO 2768 mittel |                              |                                     |
| Gepr./printer      |           |   |            |  |                              |                                     |
| Norm/standard      |           |   |            |  |                              |                                     |
| <b>GAH ALBERTS</b> |           |   |            | Zeichnungsnummer drawing number                | 0365 0121 2                  | Version CE                          |



Gewicht: 3,86 kg

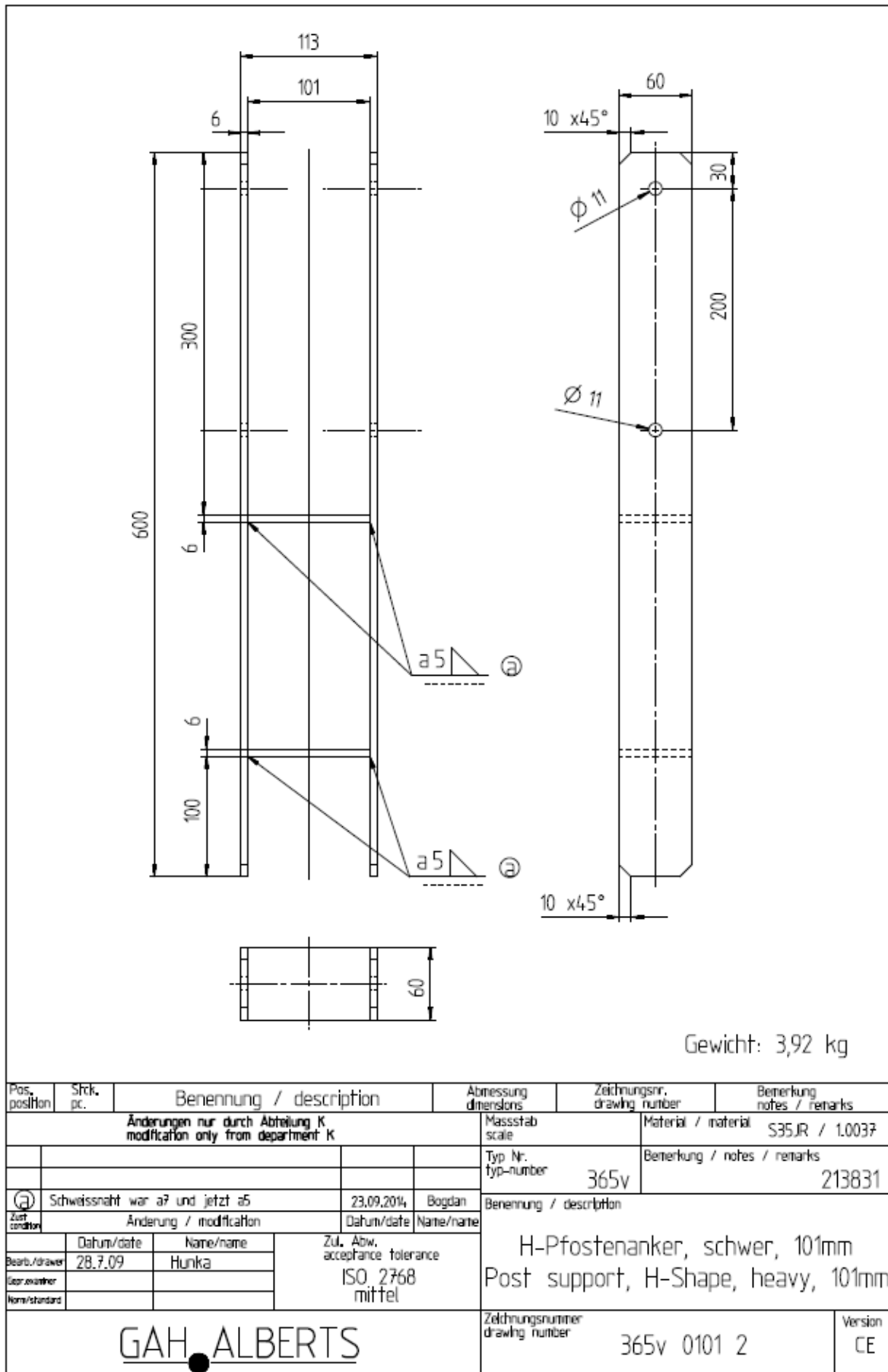
| Pos. position      | Stck. pc.  | Benennung / description   | Abmessung dimensions                                 | Zeichnungsnr. drawing number | Bemerkung notes / remarks           |
|--------------------|------------|---|--|------------------------------|-------------------------------------|
|                    |            | <b>Änderungen nur durch Abteilung K<br/>modification only from department K</b> | Massstab scale                                       |                              | Material / material S235JR / 1.0037 |
|                    |            |   | Typ Nr. typ-number                                   | 365v                         | Bemerkung / notes / remarks 213626  |
| Ⓐ                  |            | Schweissnaht war a7 und jetzt a5  | 23.09.2014   | Bogdan                       |                                     |
| Zust. condition    |            | Änderung / modification   | Datum/date   | Name/name                    | Benennung / description             |
| Bearb./drawer      | Datum/date | Name/name   | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                              |                                     |
| Gepr. examiner     |            |   |  |                              |                                     |
| Norm/standard      |            |   |  |                              |                                     |
| <b>GAH ALBERTS</b> |            |   | Zeichnungsnummer drawing number                      | 365v 0091 2                  | Version CE                          |

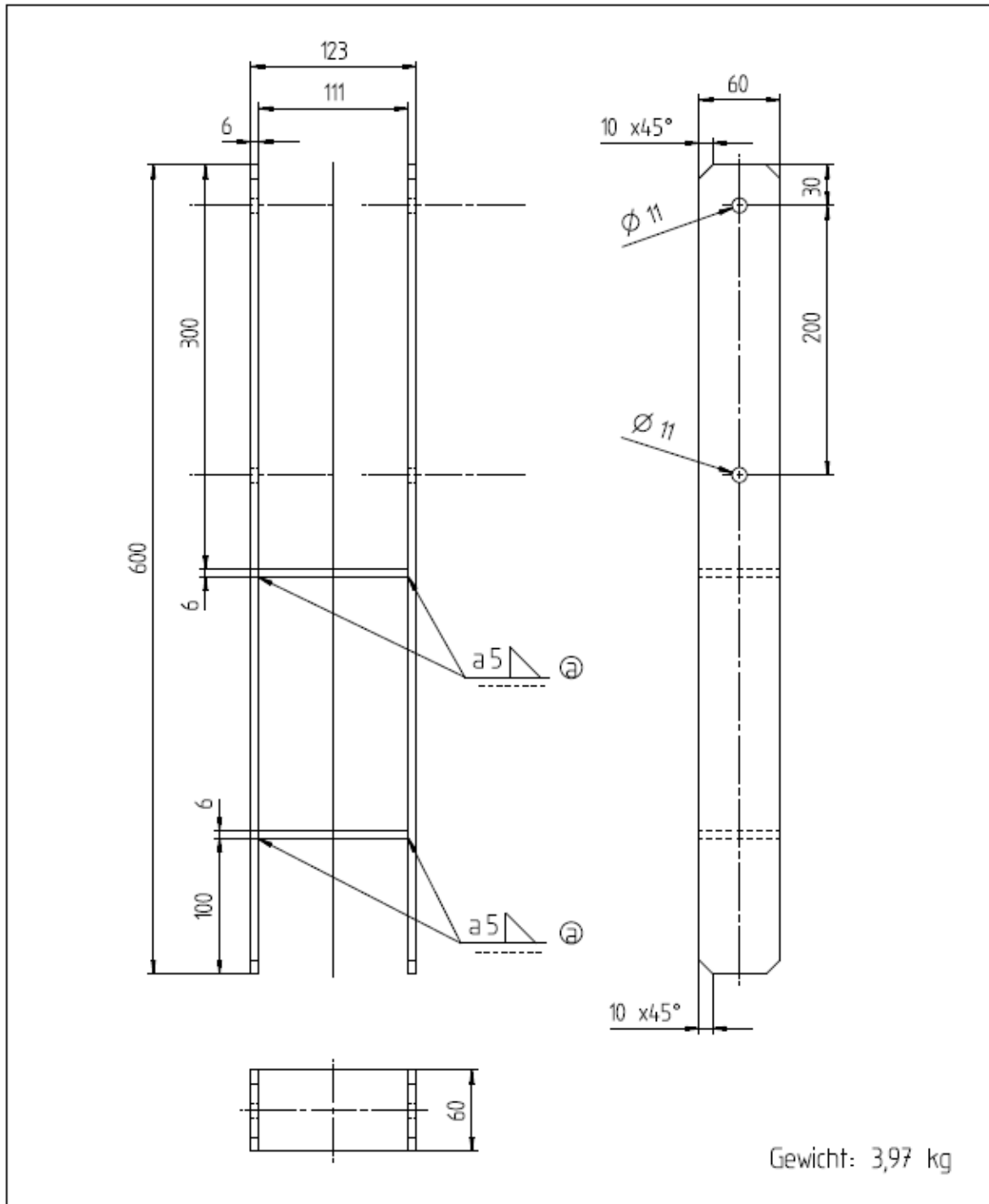
H-Pfostenanker, schwer, 91mm  
Post support, H-Shape, heavy, 91mm



Gewicht: 3,88 kg

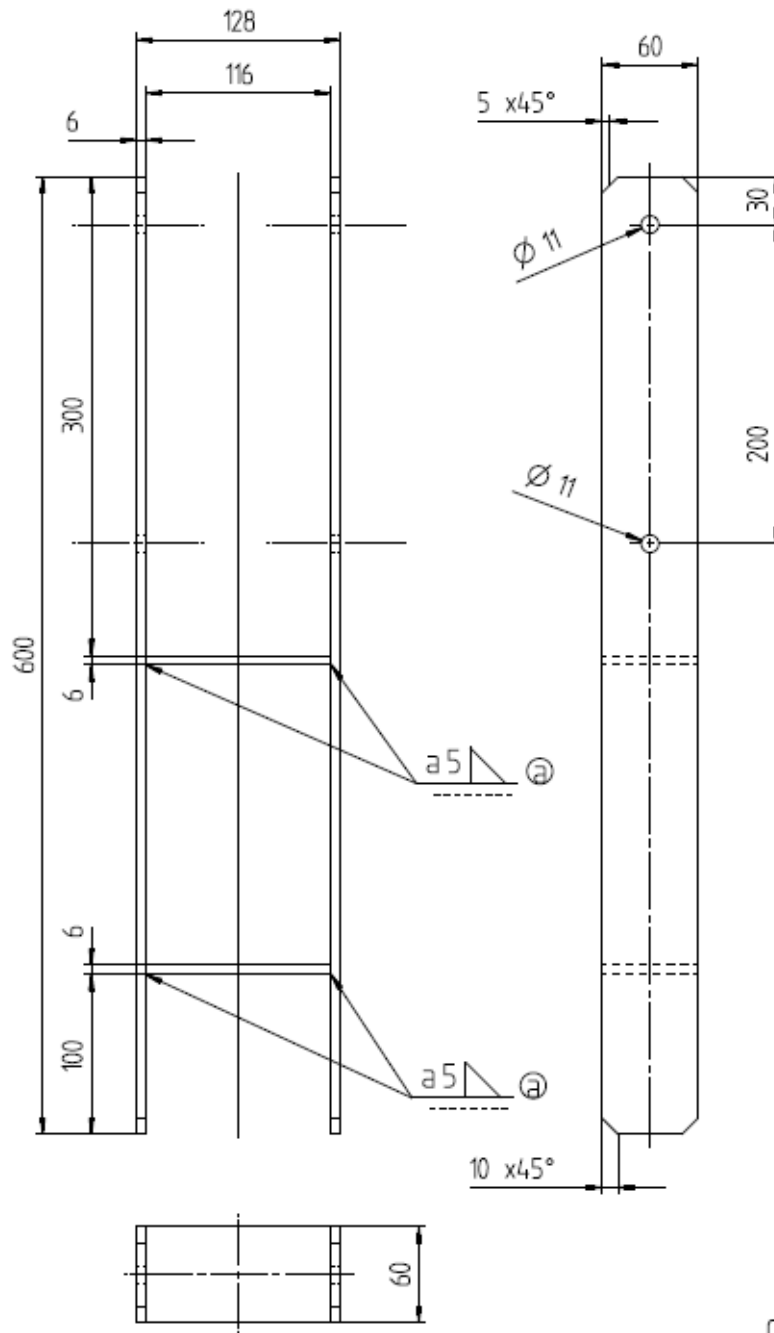
| Pos. position   | Stck. pc.                       | Benennung / description | Abmessung dimensions                                 | Zeichnungsnr. drawing number    | Bemerkung notes / remarks  |
|---|---------------------------------|-------------------------|--|---------------------------------|--|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         | Massstab scale                                       | Material / material             | S235JR / 1.0037  |
|   |                                 |                         | Typ Nr. typ-number                                   | Bemerkung / notes / remarks     |  |
|   |                                 |                         | 365v   | 213886                          |  |
| ⓐ   | Schweißnaht war a7 und jetzt a5 |                         | 23.09.2014   | Bogdan                          | Benennung / description  |
| Zust condition  | Änderung / modification         |                         | Datum/date   | Name/name                       | H-Pfostenanker, schwer, 95mm<br>Post support, H-Shape, heavy, 95mm |
| Bearb./drawer   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |  |
| Gez. number   |                                 |                         |  |                                 |  |
| Norm/standard   |                                 |                         |  |                                 |  |
| <b>GAH ALBERTS</b>  |                                 |                         |  | Zeichnungsnummer drawing number | Version  |
|   |                                 |                         |  | 365v 0095 2                     | CE   |





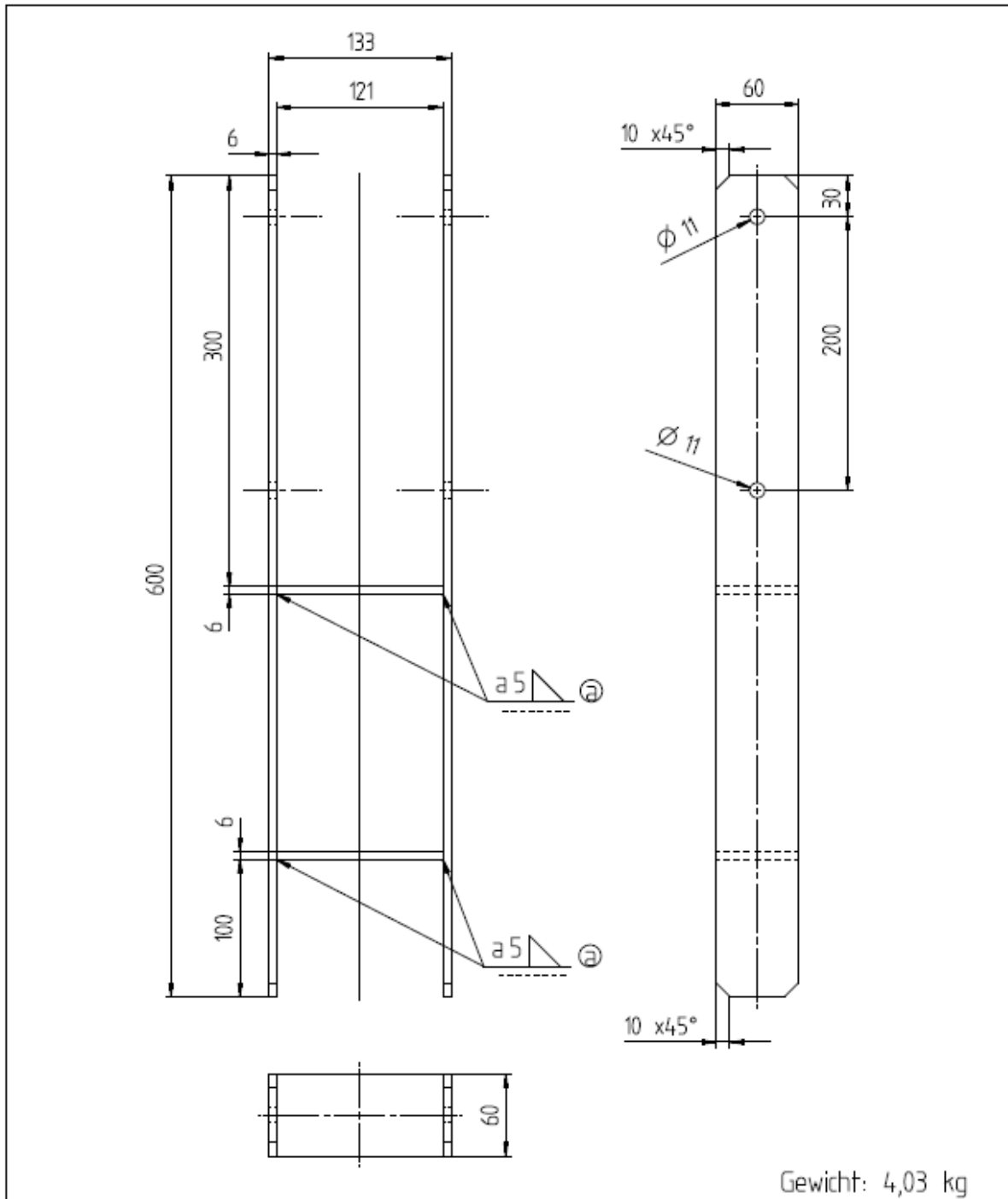
Gewicht: 3,97 kg

| Pos. position   | Stck. pc.               | Benennung / description   | Abmessung dimensions            | Zeichnungsnr. drawing number | Bemerkung notes / remarks  |
|-----------------|-------------------------|---|---------------------------------|------------------------------|--|
|                 |                         | Änderungen nur durch Abteilung K<br>modification only from department K | Massstab scale                  | Material / material          | S235JR / 1.0037  |
|                 |                         |   | Typ Nr. typ-number              | Bemerkung / notes / remarks  | 213879   |
|                 |                         |   | 365v                            |                              |  |
| Ⓐ               |                         | Schweissnaht war a7 und jetzt a5  | 23.09.2014                      | Bogdan                       | Benennung / description  |
| Zust. condition | Änderung / modification |   | Datum/date                      | Name/name                    | H-Pfostenanker, schwer, 111mm<br>Post support, H-Shape, heavy, 111mm |
| Bearb./drawer   | Datum/date              | Name/name   | Zul. Abw. acceptance tolerance  |                              |  |
| Gepr. number    |                         |   | ISO 2768                        |                              |  |
| Norm/standard   |                         |   | mittel                          |                              |  |
| GAH ALBERTS     |                         |   | Zeichnungsnummer drawing number | 365v 0111 2                  | Version CE   |



Gewicht: 4,0 kg

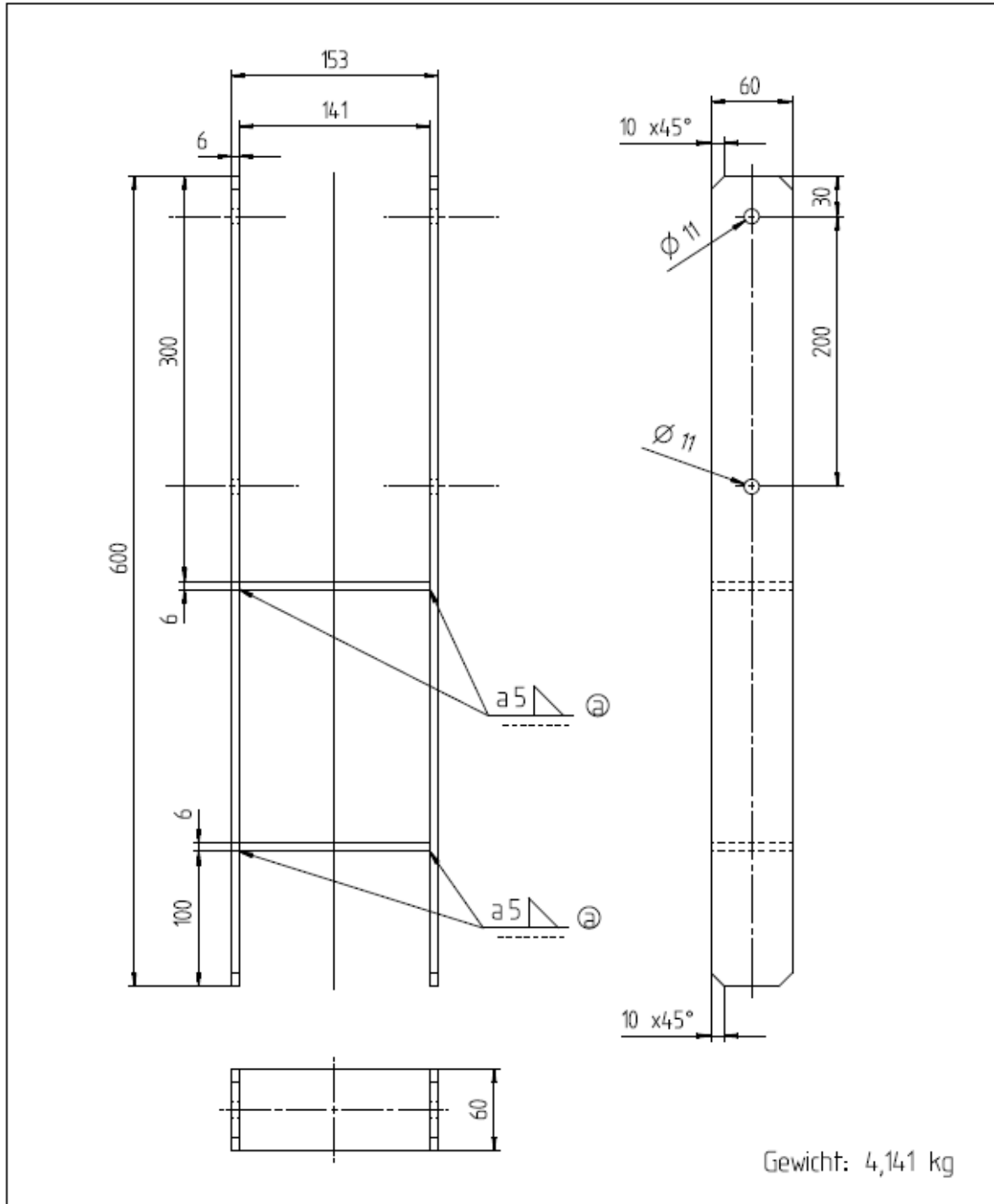
| Pos. position      | Stck. pc. | Benennung / description   | Abmessung dimensions                                    | Zeichnungsnr. drawing number   | Bemerkung notes / remarks           |
|--------------------|-----------|---|---|--|-------------------------------------|
|                    |           | Änderungen nur durch Abteilung K<br>modification only from department K |   | Massstab<br>scale  | Material / material S235JR / 1.0037 |
|                    |           |   |   | Typ Nr.<br>typ-number 365v   | Bemerkung / notes / remarks 213916  |
| Ⓐ                  |           | Schweißnaht war a7 und jetzt a5   | 23.09.2014  | Bogdan   |                                     |
| Zust. condition    |           | Änderung / modification   | Datum/date  | Name/name  | Benennung / description             |
| Bearb./drawer      | 28.7.09   | Hunka   | Zul. Abw.<br>acceptance tolerance<br>ISO 2768<br>mittel | H-Pfostenanker, schwer, 116mm<br>Post support, H-Shape, heavy, 116mm |                                     |
| Gepr./anther       |           |   |   |  |                                     |
| Norm/standard      |           |   |   |  |                                     |
| <b>GAH ALBERTS</b> |           |   |   | Zeichnungsnummer<br>drawing number 365v 0116 2                       | Version<br>CE                       |



Gewicht: 4,03 kg

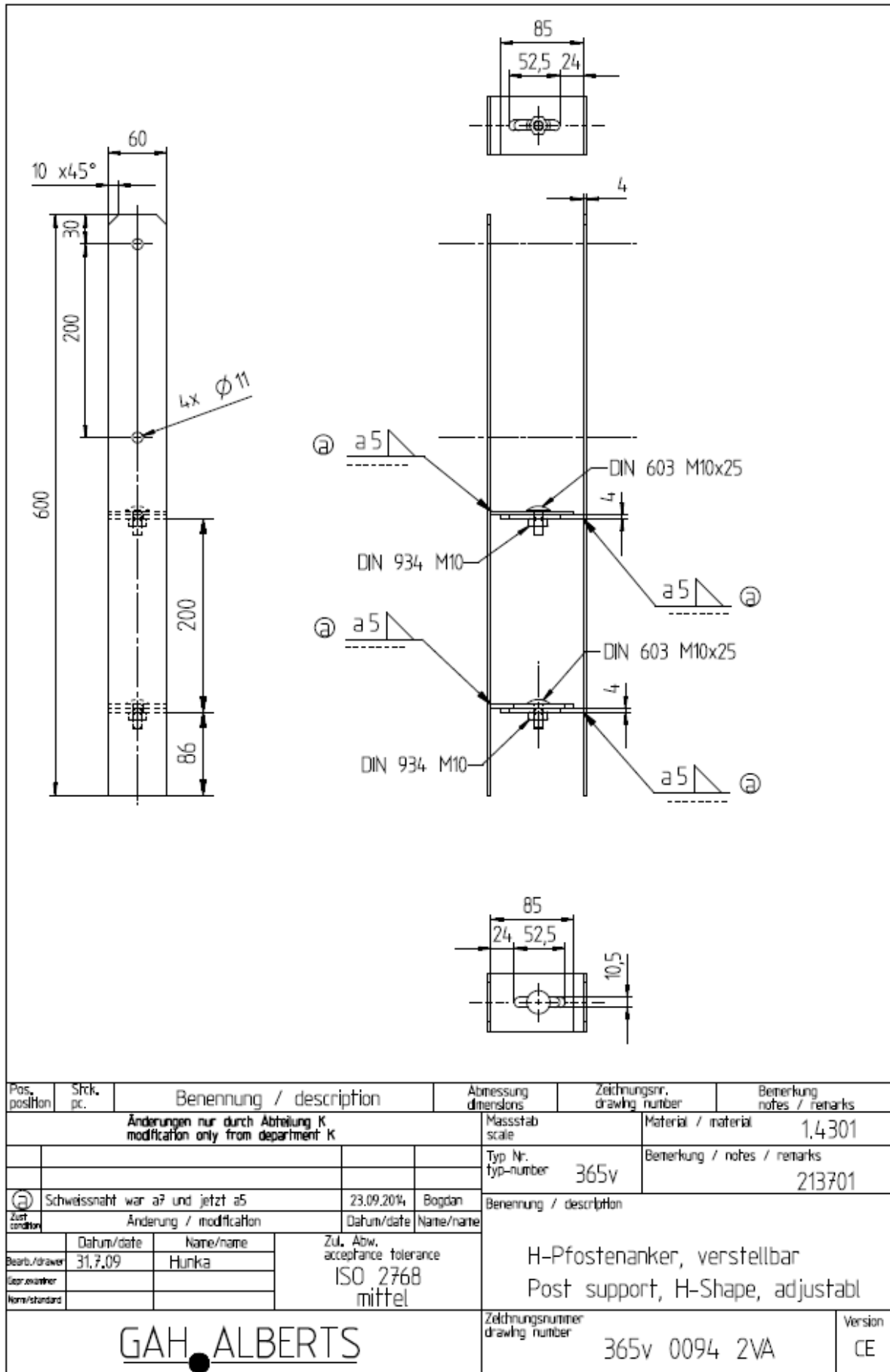
|   |                                 |                         |  |                                 |  |                                    |
|---|---------------------------------|-------------------------|--|---------------------------------|--|------------------------------------|
| Pos. position   | Sfck. pc.                       | Benennung / description |  | Abmessung dimensions            | Zeichnungsnr. drawing number                                       | Bemerkung notes / remarks          |
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         |  | Massstab scale                  | Material / material S235JR / 1.0037                                |                                    |
| b   | war 213848                      |                         |  | Typ Nr. typ-number              | 365v   | Bemerkung / notes / remarks 213848 |
| ⓐ   | Schweißnaht war a7 und jetzt a5 |                         | 23.09.2014   | Bogdan                          | Benennung / description  |                                    |
| Zust. condition   | Änderung / modification         |                         | Datum/date   | Name/name                       | H-Pfostenanker, schw, 121mm<br>Post support, H-Shape, heavy, 121mm |                                    |
| Bearb./drawer   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |  |                                    |
| Gez. number   |                                 |                         |  |                                 |  |                                    |
| Nom./standard   |                                 |                         |  |                                 |  |                                    |
| <b>GAH ALBERTS</b>  |                                 |                         |  | Zeichnungsnummer drawing number | 365v 0121 2  | Version CE                         |



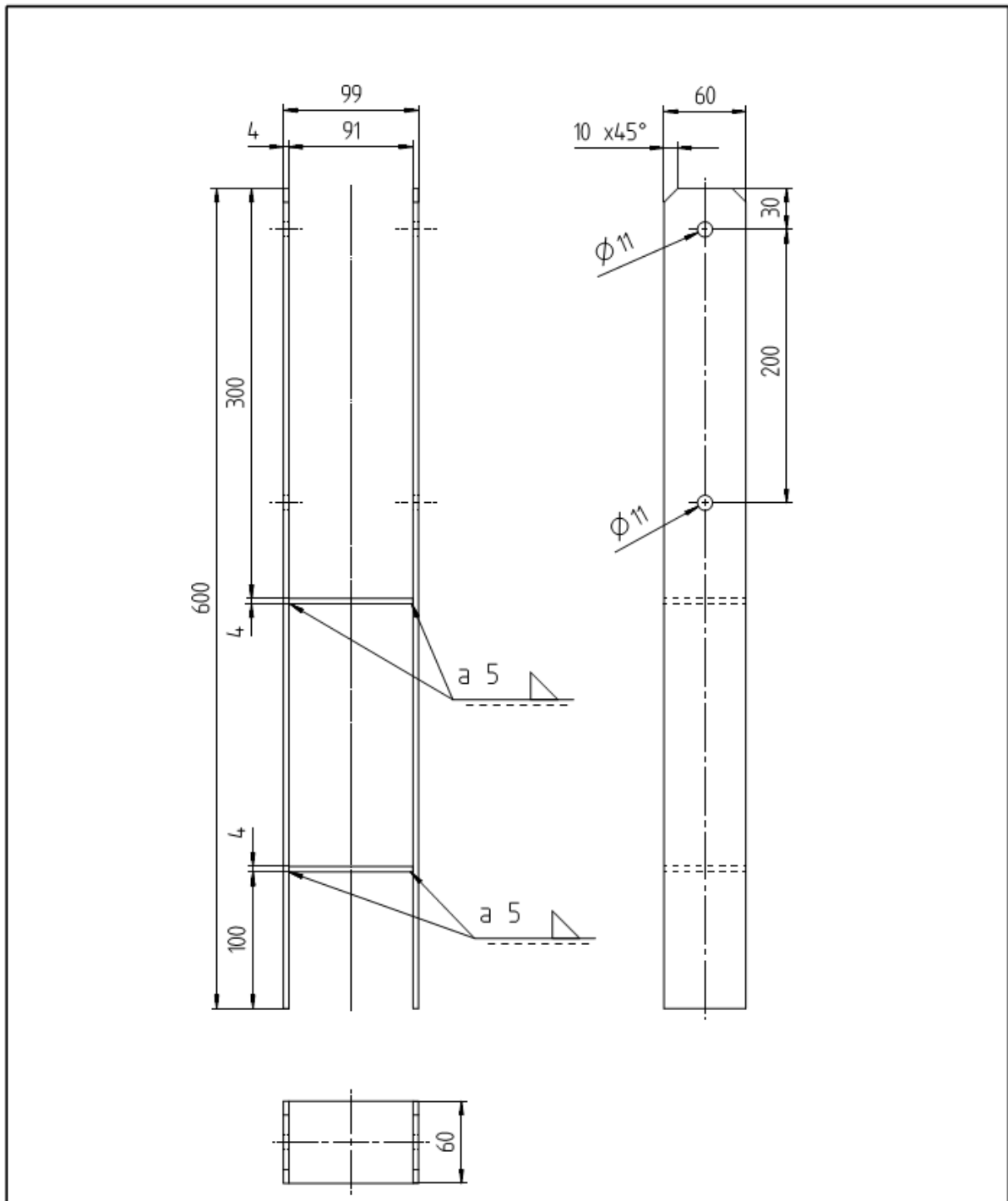


Gewicht: 4,141 kg

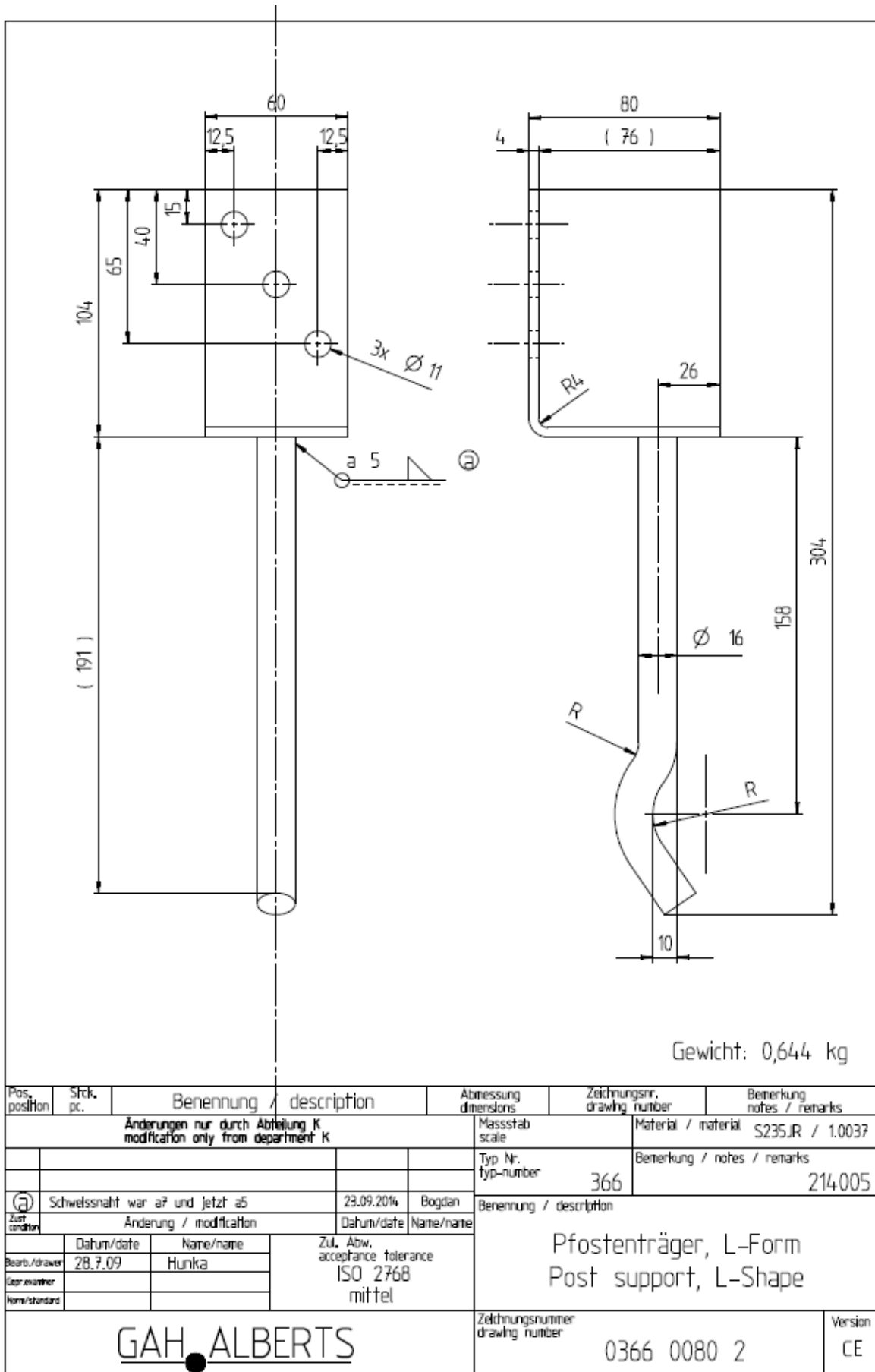
| Pos. position   | Stck. pc.               | Benennung / description         |  | Abmessung dimensions            | Zeichnungsnr. drawing number   | Bemerkung notes / remarks             |
|---|-------------------------|---------------------------------|--|---------------------------------|--|---------------------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                                 |  | Massstab scale                  | Material / material  | S235JR / 1.0037                       |
|   |                         |                                 |  | Typ Nr. typ-number              | 365v   | Bemerkung / notes / remarks<br>213893 |
| Ⓐ   |                         | Schweißnaht war a7 und jetzt a5 | 23.09.2014   | Bogdan                          | Benennung / description  |                                       |
| Zust. condition   | Änderung / modification |                                 | Datum/date   | Name/name                       | H-Pfostenanker, schwer, 141mm<br>Post support, H-Shape, heavy, 141mm |                                       |
| Bearb./drawer   | Datum/date              | Name/name                       | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |  |                                       |
| Gepr. number  |                         |                                 |  |                                 |  |                                       |
| Norm/standard   |                         |                                 |  |                                 |  |                                       |
| <b>GAH ALBERTS</b>  |                         |                                 |  | Zeichnungsnummer drawing number | 365v 0141 2  | Version<br>CE                         |



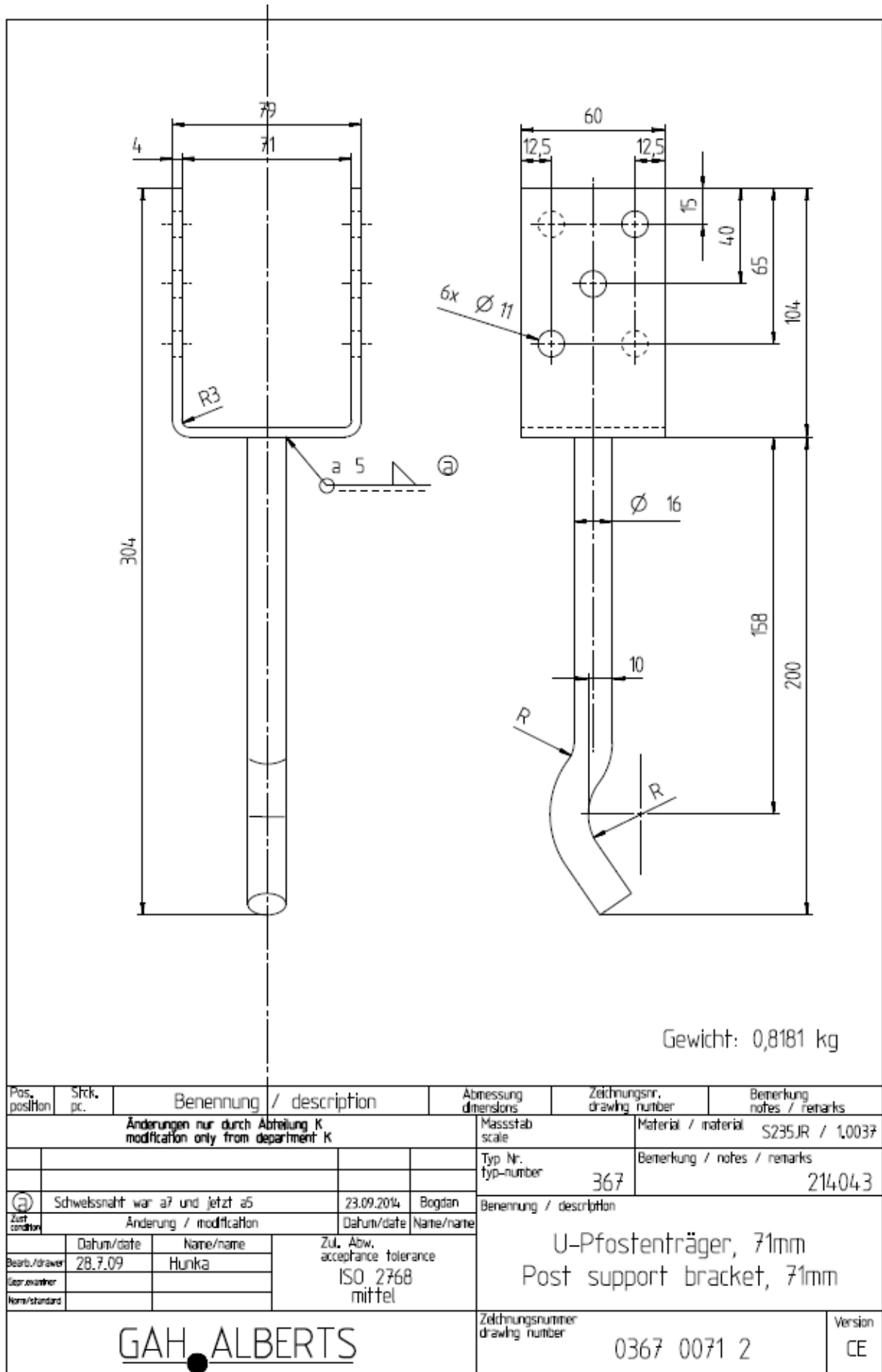
| Pos. position   | Stck. pc.                        | Benennung / description |  | Abmessung dimensions            | Zeichnungsnr. drawing number                                    | Bemerkung notes / remarks             |
|---|----------------------------------|-------------------------|--|---------------------------------|---|---------------------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                  |                         |  | Massstab scale                  | Material / material   | 1,4301                                |
|   |                                  |                         |  | Typ Nr. typ-number              | 365v  | Bemerkung / notes / remarks<br>213701 |
| Ⓐ   | Schweissnaht war a7 und jetzt a5 |                         | 23.09.2014   | Bogdan                          | Benennung / description   |                                       |
| Zust. condition   | Änderung / modification          |                         | Datum/date   | Name/name                       | H-Pfostenanker, verstellbar<br>Post support, H-Shape, adjustabl |                                       |
| Bearb./drawer   | Datum/date                       | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |   |                                       |
| Gezeichnet  |                                  |                         |  |                                 |   |                                       |
| Norm/standard   |                                  |                         |  |                                 |   |                                       |
| <b>GAH ALBERTS</b>  |                                  |                         |  | Zeichnungsnummer drawing number | 365v 0094 2VA   | Version<br>CE                         |



| Pos. position   | Stck. pc.               | Benennung / description |  | Abmessung dimensions            | Zeichnungsnr. drawing number | Bemerkung notes / remarks             |
|---|-------------------------|-------------------------|--|---------------------------------|------------------------------|---------------------------------------|
| Anderungen nur durch Abteilung K<br>modification only from department K |                         |                         |  | Massstab scale                  | Material / material          | 1.4301                                |
|   |                         |                         |  | Typ Nr. typ-number              | 365                          | Bemerkung / notes / remarks<br>213718 |
| Zust. condition   | Anderung / modification |                         | Datum/date   | Name/name                       |                              |                                       |
| Bearb./drawer   | Datum/date              | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |                              |                                       |
| Gepr. examiner  |                         |                         |  |                                 |                              |                                       |
| Norm/standard   |                         |                         |  |                                 |                              |                                       |
| GAH ALBERTS   |                         |                         |  | Zeichnungsnummer drawing number | 0365 0091 2VA                | Version<br>CE                         |

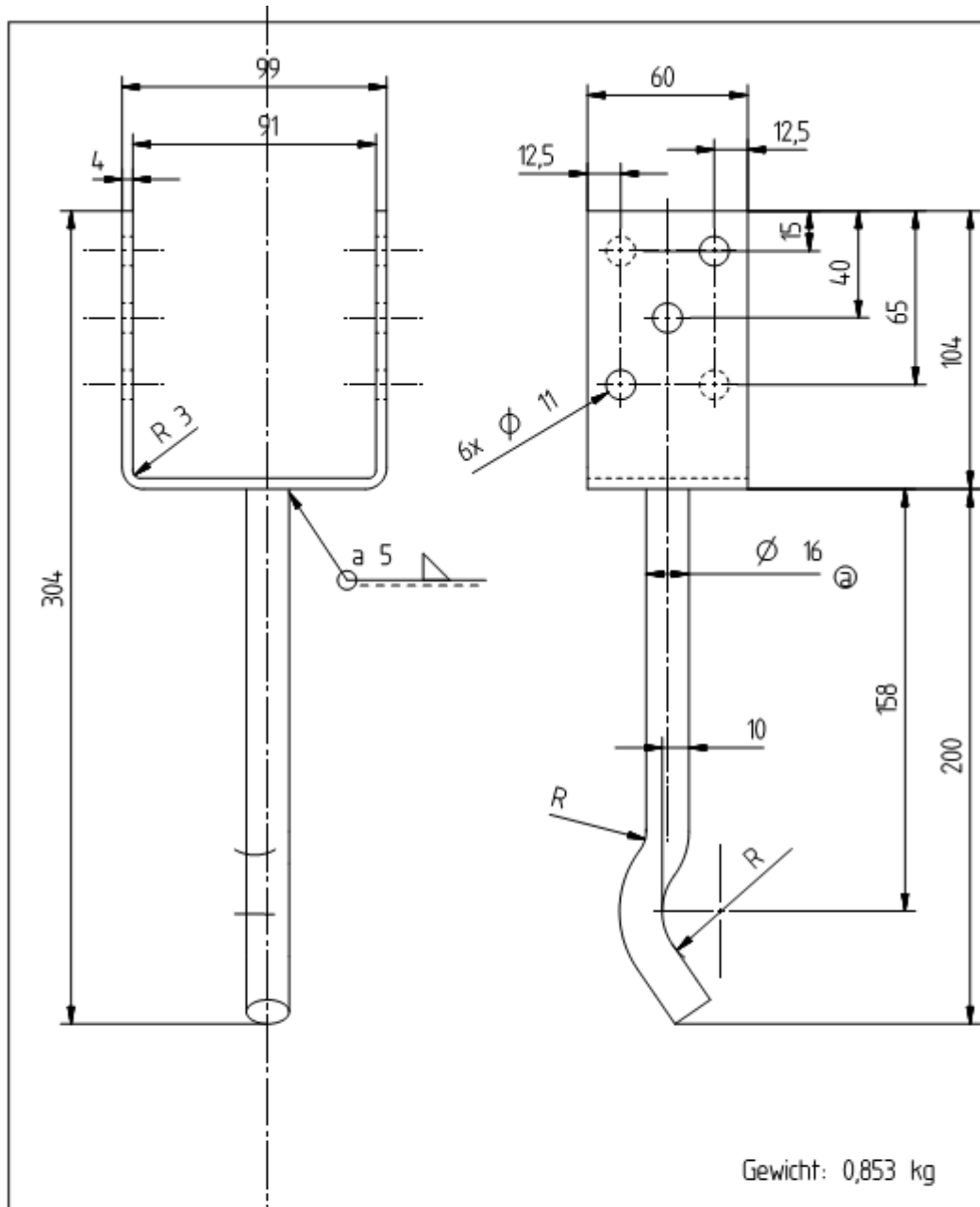


| Pos. position   | Stck. pc. | Benennung / description   | Abmessung dimensions           | Zeichnungsnr. drawing number    | Bemerkung notes / remarks |
|-----------------|-----------|---|--------------------------------|---------------------------------|---------------------------|
|                 |           | Änderungen nur durch Abteilung K<br>modification only from department K | Massstab scale                 | Material / material             | S235JR / 1.0037           |
|                 |           |   | Typ Nr. typ-number             | Bemerkung / notes / remarks     | 214.005                   |
|                 |           |   | 366                            |                                 |                           |
| Ⓐ               |           | Schweißnaht war a7 und jetzt a5<br>Änderung / modification              | Datum/date                     | Name/name                       |                           |
| Zust. condition |           |   | 23.09.2014                     | Bogdan                          |                           |
| Bearb./drawer   |           | Datum/date  | Zul. Abw. acceptance tolerance |                                 |                           |
| Gezeichnet      |           | Name/name   | ISO 2768                       |                                 |                           |
| Norm/standard   |           |   | mittel                         |                                 |                           |
| GAH ALBERTS     |           |   |                                | Zeichnungsnummer drawing number | Version                   |
|                 |           |   |                                | 0366 0080 2                     | CE                        |



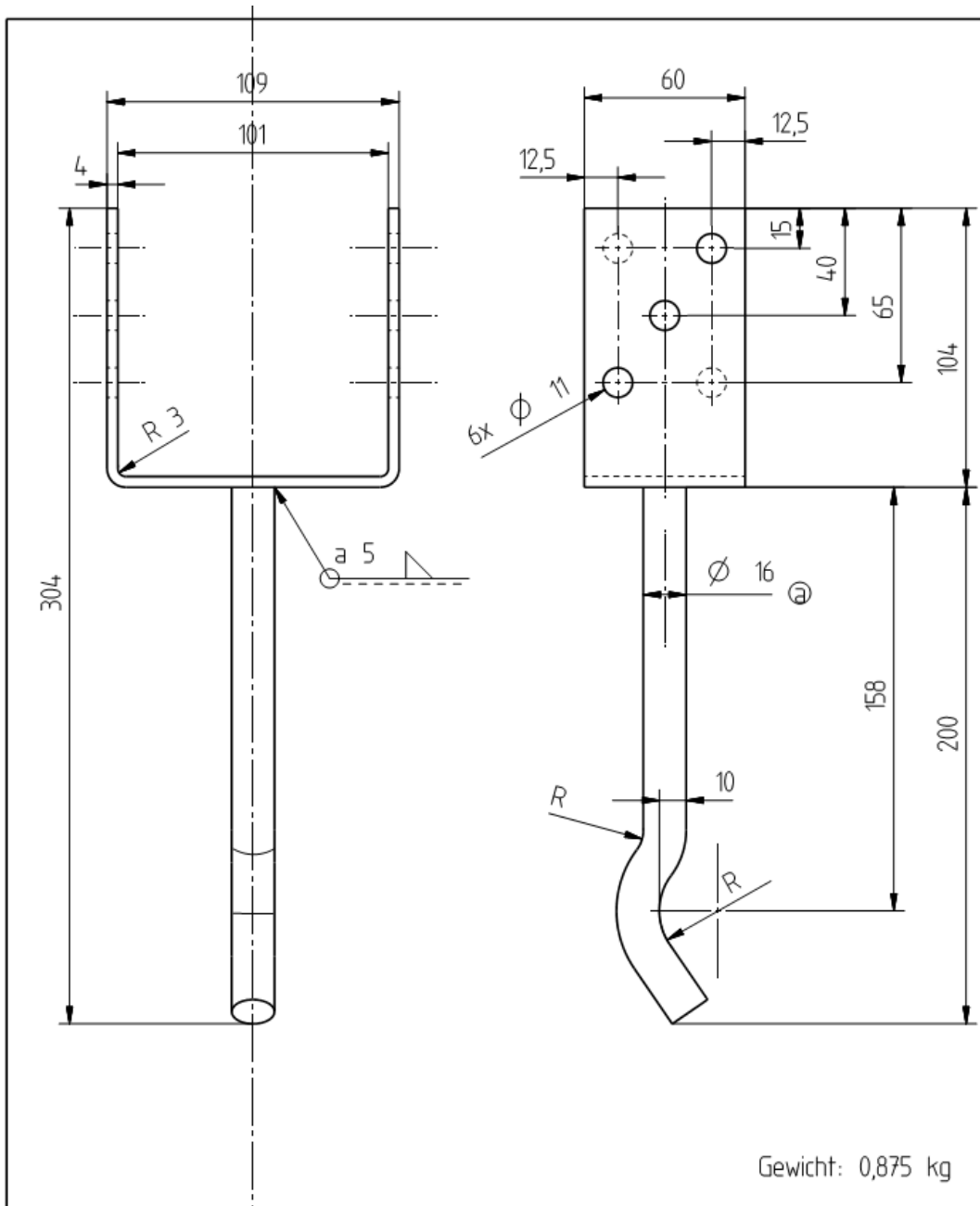
| Pos. position   | Stck. pc.  | Benennung / description | Abmessung dimensions                                | Zeichnungsnr. drawing number    | Bemerkung notes / remarks |
|---|--|-------------------------|---|---------------------------------|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |  |                         | Massstab scale                                      | Material / material             | S235JR / 1.0037           |
|   |  |                         | Typ Nr. typ-number                                  | Bemerkung / notes / remarks     |                           |
|   |  |                         | 367   | 214.04.3                        |                           |
| Ⓐ   | Schweißnaht war a7 und jetzt a5<br>Anderung / modification |                         | 23.09.2014  | Bogdan                          | Benennung / description   |
| Zust. condition   | Datum/date   | Name/name               | U-Pfostenträger, 71mm<br>Post support bracket, 71mm |                                 |                           |
| Bearb./drawer   | 28.7.09  | Hunka                   |   |                                 |                           |
| Gepr. examiner  |  |                         |   |                                 |                           |
| Norm/standard   |  |                         |   |                                 |                           |
|   |  |                         | Zul. Abw. acceptance tolerance                      |                                 |                           |
|   |  |                         | ISO 2768  |                                 |                           |
|   |  |                         | mittel  |                                 |                           |
| <b>GAH ALBERTS</b>  |  |                         |   | Zeichnungsnummer drawing number | Version                   |
|   |  |                         |   | 0367 0071 2                     | CE                        |





Gewicht: 0,853 kg

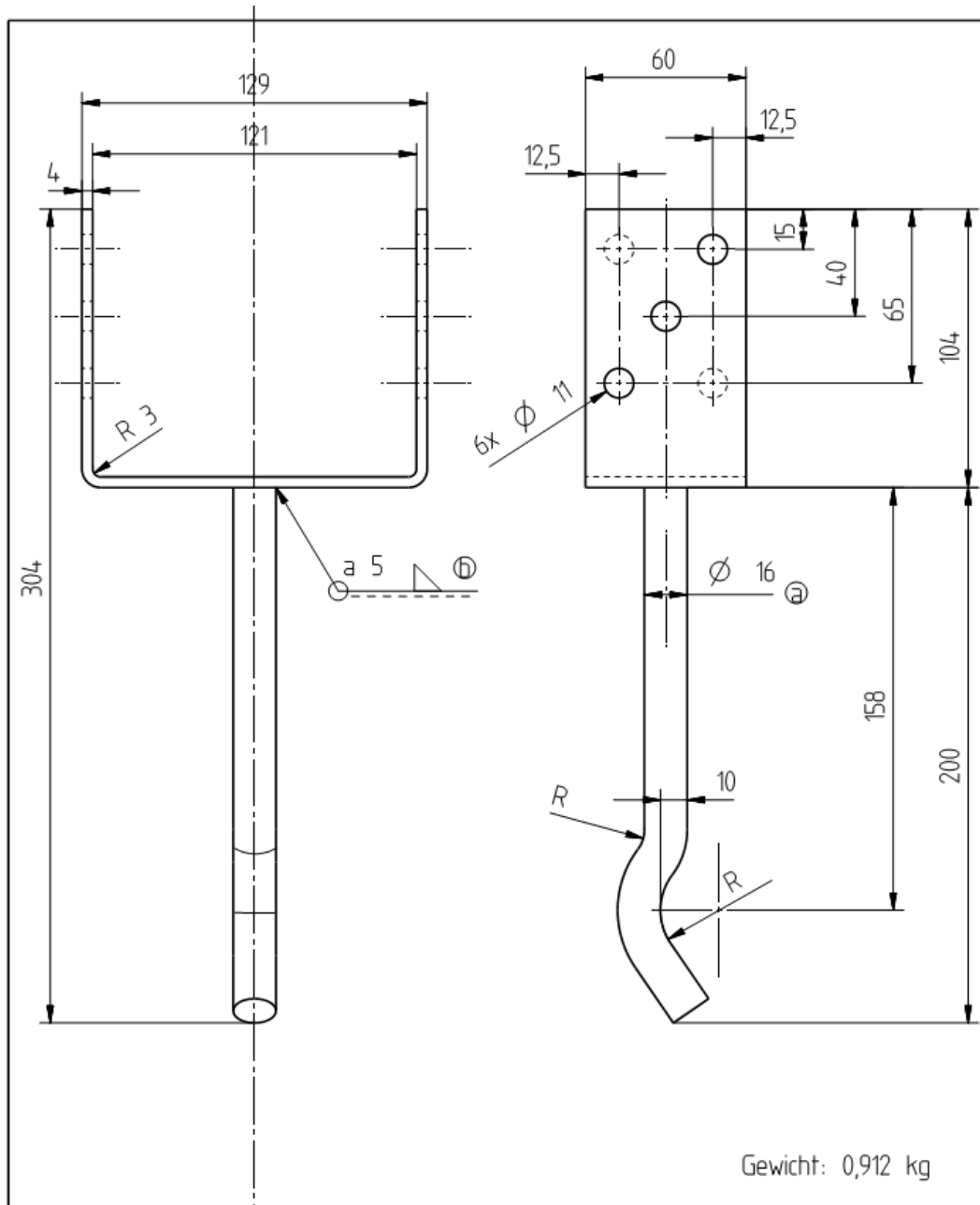
| Pos. position | Stk. pc. | Benennung / description   |                  | Abmessung dimensions   | Zeichnungsnr. drawing number | Bemerkung notes / remarks                       |
|---------------|----------|---|------------------|--|------------------------------|---|
|               |          | Änderungen nur durch Abteilung K<br>modification only from department K |                  | Massstab scale   |                              | Material / material S235JR (St37-2)             |
|               |          |   |                  | Typ Nr. typ-number 367   |                              | Bemerkung / notes / remarks<br>EAN-Nr. 21 40 74 |
|               |          | ⓐ war Ø 18mm  | 22.03.07 Ochmann | Benennung / description  |                              |   |
|               |          | Änderung / modification   |                  | U-Pfostenraeger, lichte Weite 91mm<br>post support bracket, 91mm |                              |   |
|               |          | Datum/date 21.12.2006   | Name/name Sommer | Zul. Abw. acceptance tolerance<br>DIN 7168-m                     |                              |   |
|               |          | Bearb./drawer   |                  | Zeichnungsnummer drawing number 0367 0091 2                      |                              | Version   |
|               |          | Exp. examiner   |                  | GAH ALBERTS  |                              |   |
|               |          | Norm/standard   |                  |  |                              |   |



Gewicht: 0,875 kg

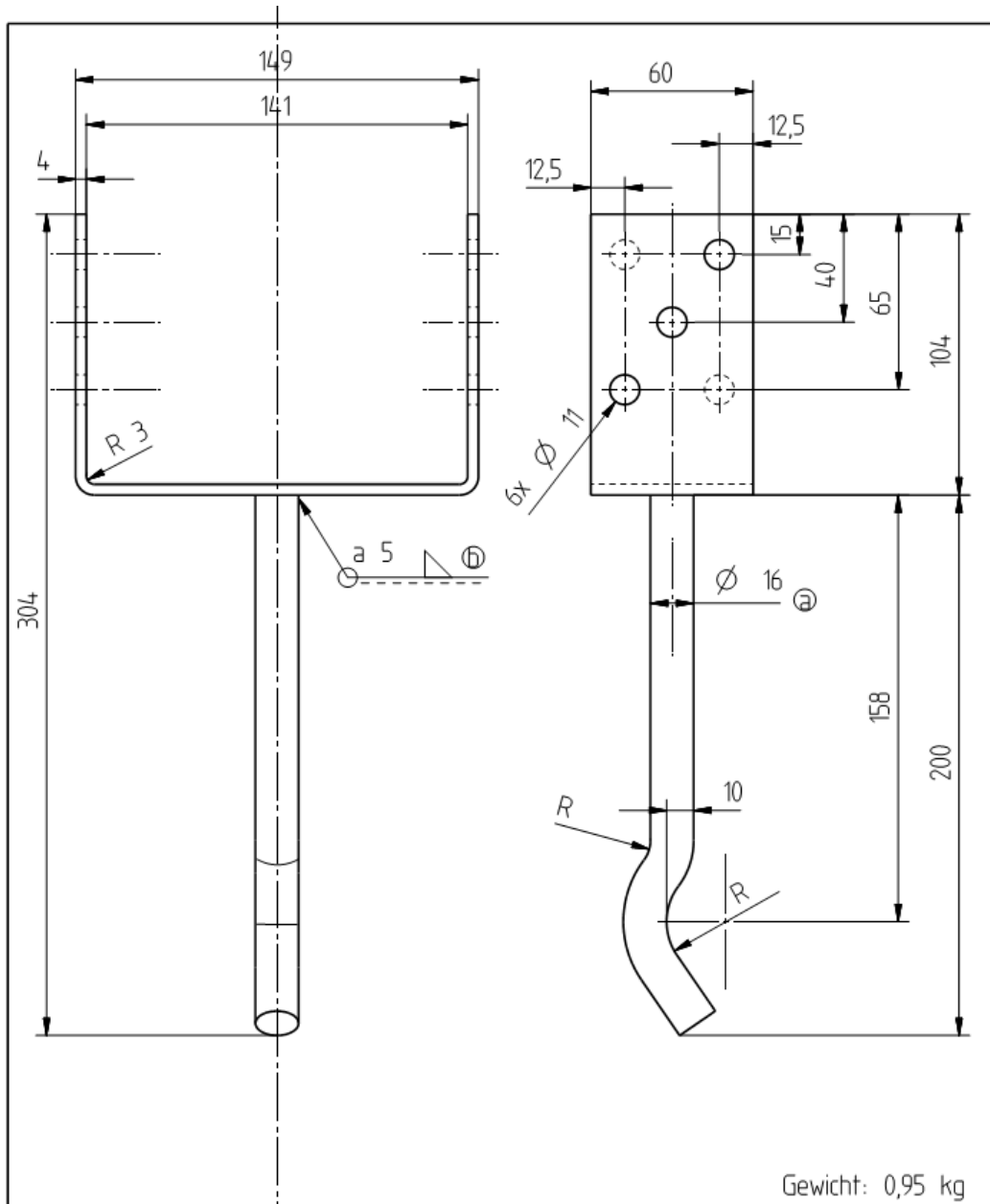
| Pos. position   | Stck. pc.               | Benennung / description |                                | Abmessung dimensions   | Zeichnungsnr. drawing number  | Bemerkung notes / remarks |
|---|-------------------------|-------------------------|--------------------------------|------------------------|---|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                         |                                | Maßstab scale          | Material / material S235JR (St37-2)                                 |                           |
|   |                         |                         |                                | Typ Nr. typ-number 367 | Bemerkung / notes / remarks EAN-Nr. 21 40 98                        |                           |
| ⓐ   | war                     | ∅ 18mm                  | 22.03.07                       | Ochmann                | Benennung / description   |                           |
| Zust. condition   | Änderung / modification |                         | Datum/date                     | Name/name              | U-Pfostentraeger, lichte Weite 101mm<br>post support bracket, 101mm |                           |
| Bearb./drawer   | Datum/date              | Name/name               | Zul. Abw. acceptance tolerance |                        | Zeichnungsnummer drawing number 0367 0101 2                         |                           |
| Gepr. examiner  | 21.12.2006              | Sommer                  | DIN 7168-m                     |                        |   |                           |
| Name/standard   |                         |                         |                                |                        |   |                           |
| <b>GAH ALBERTS</b>  |                         |                         |                                |                        | Version   |                           |





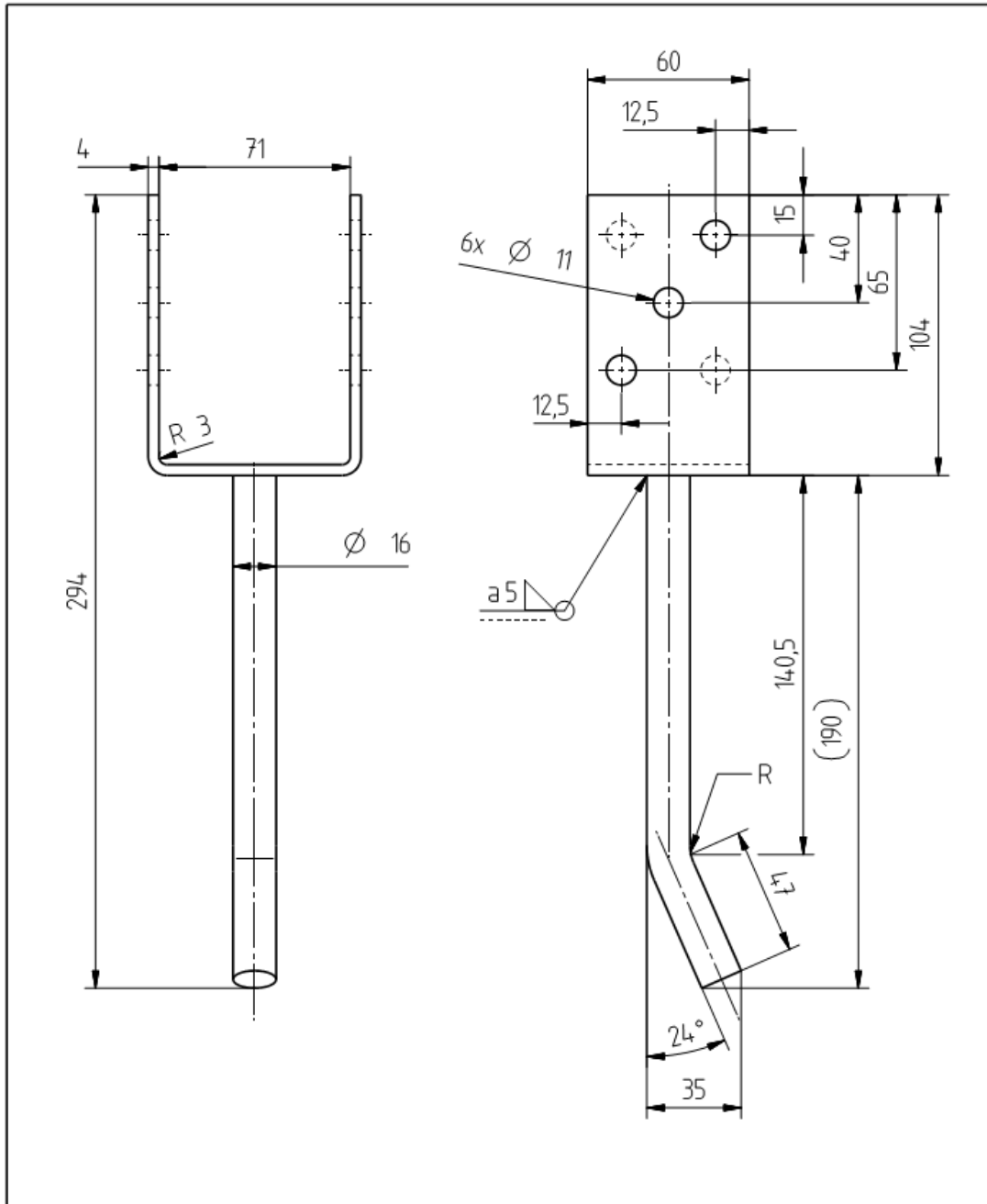
Gewicht: 0,912 kg

| Pos. position   | Stck. pc.               | Benennung / description |                                | Abmessung dimensions | Zeichnungsnr. drawing number                                       | Bemerkung notes / remarks                    |
|---|-------------------------|-------------------------|--------------------------------|----------------------|--|--|
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                         |                                | Massstab scale       |  | Material / material S235JR (St37-2)          |
| Ⓟ   |                         | war a7 und jetzt a5     | 31.10.2014                     | Bogdan               | Typ Nr. typ-number 367   | Bemerkung / notes / remarks EAN-Nr. 21 41 04 |
| ⓐ   |                         | war $\varnothing$ 18mm  | 22.03.07                       | Ochmann              | Benennung / description  |  |
| Zust condition  | Änderung / modification |                         | Datum/date                     | Name/name            | U-Pfostenraeger, lichte Weite 121mm<br>post support bracket, 121mm |  |
| Bearb./drawer   | Datum/date 21.12.2006   | Name/name Sommer        | Zul. Abw. acceptance tolerance |                      | Zeichnungsnummer drawing number 0367 0121 2                        |  |
| Gepr. examiner  |                         |                         | DIN 7168-m                     |                      |  |  |
| Norm/standard   |                         |                         |                                |                      |  |  |
| GAH ALBERTS   |                         |                         |                                |                      | Version  |  |

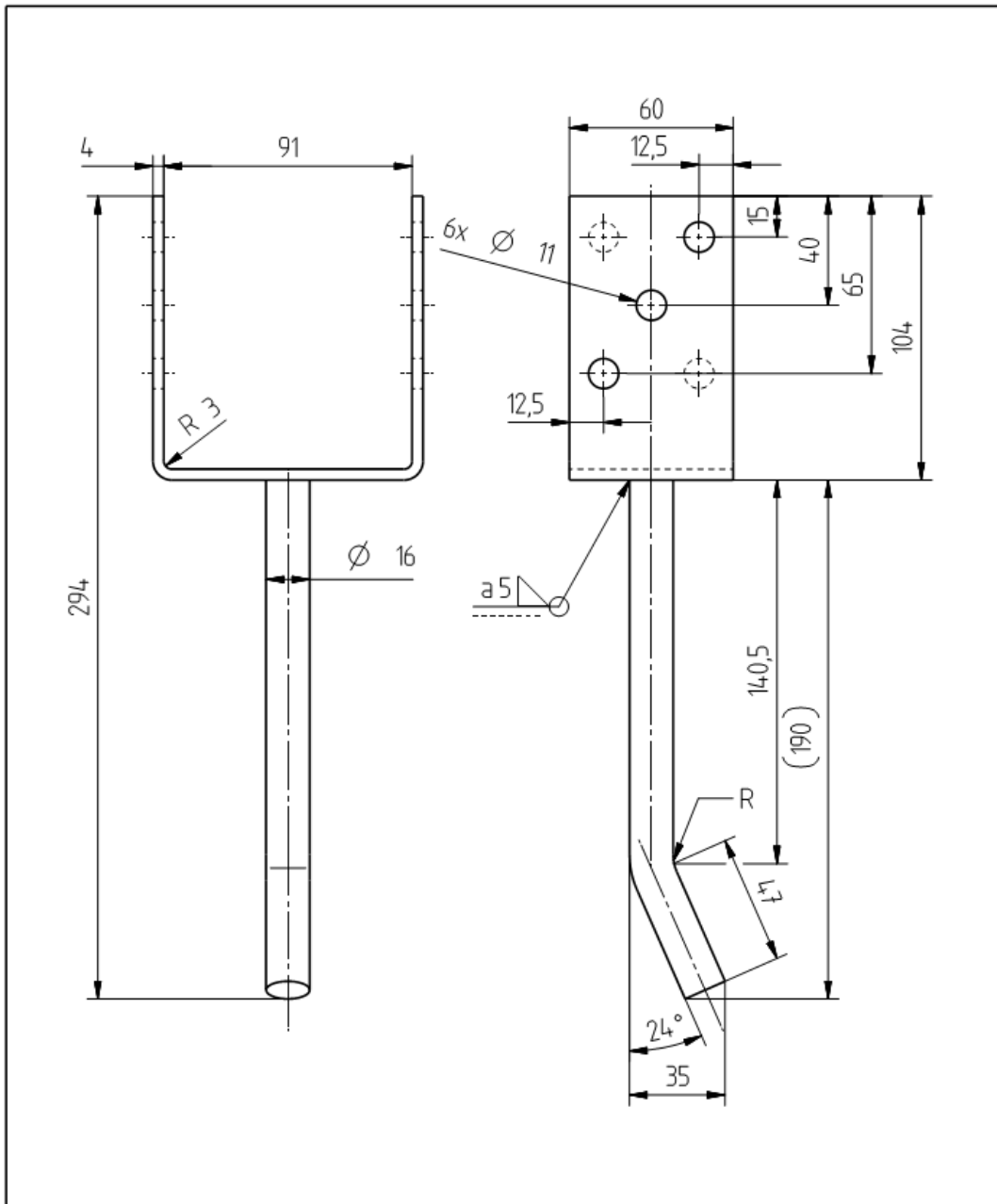


Gewicht: 0,95 kg

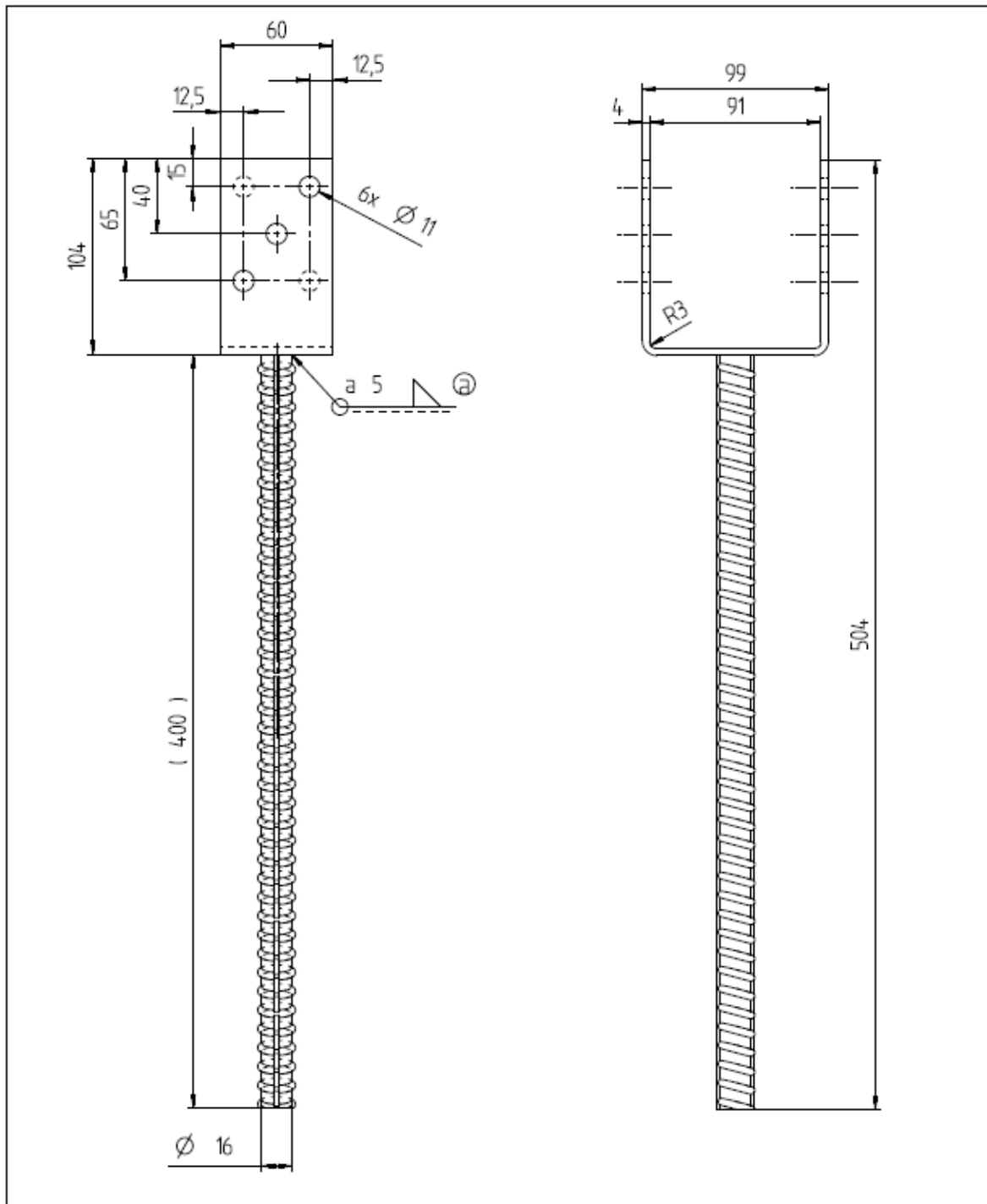
| Pos. position   | Stck. pc.               | Benennung / description |                                | Abmessung dimensions | Zeichnungsnr. drawing number  | Bemerkung notes / remarks                    |
|---|-------------------------|-------------------------|--------------------------------|----------------------|---|--|
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                         |                                | Massstab scale       | Material / material S235JR (St37-2)                                 |  |
| Ⓢ   |                         | war a7 ist jetzt a5     | 31.10.2014                     | Bogdan               | Typ Nr. typ-number 367  | Bemerkung / notes / remarks EAN-Nr. 21 41 11 |
| ⓐ   |                         | war $\varnothing$ 18mm  | 22.03.07                       | Ochmann              | Benennung / description   |  |
| Zust. condition   | Änderung / modification |                         | Datum/date                     | Name/name            | U-Pfostentraeger, lichte Weite 141mm<br>post support bracket, 141mm |  |
| Bearb./drawer   | Datum/date              | Name/name               | Zul. Abw. acceptance tolerance |                      | Zeichnungsnummer drawing number 0367 0141 2                         |  |
| Gepr. examiner  |                         |                         | DIN 7168-m                     |                      |   |  |
| Norm/standard   |                         |                         |                                |                      |   |  |
| <b>GAH ALBERTS</b>  |                         |                         |                                |                      | Version   |  |



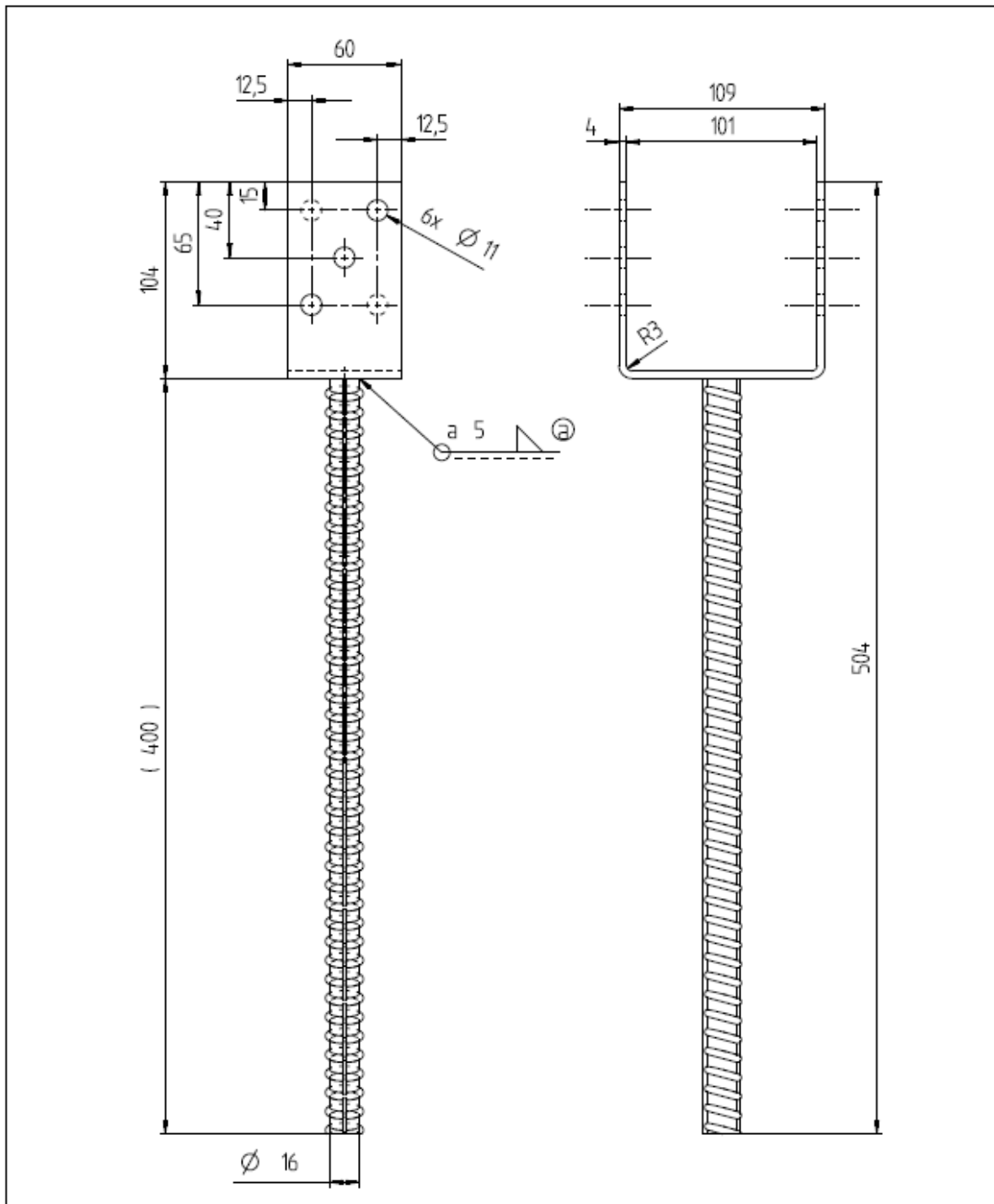
|                    |                         |   |  |                      |                                 |                           |
|--------------------|-------------------------|---|--|----------------------|---------------------------------|---------------------------|
| Pos. position      | Stck. pc.               | Benennung / description   |  | Abmessung dimensions | Zeichnungsnr. drawing number    | Bemerkung notes / remarks |
|                    |                         | Änderungen nur durch Abteilung K<br>modification only from department K |  | Massstab scale       | Material / material             | X5CrNi18-10 AISI 304      |
|                    |                         |   |  | Typ Nr. typ-number   | Bemerkung / notes / remarks     |                           |
|                    |                         |   |  | 367                  | EAN-Nr. 214203                  |                           |
| Zust. condition    | Änderung / modification |   | Datum/date   | Name/name            |                                 |                           |
| Bearb./drawer      | Datum/date              | Name/name   | Zul. Abw. acceptance tolerance                                   |                      |                                 |                           |
| Gepr. examiner     | 15.12.06                | Diercks   | DIN 7168-m   |                      |                                 |                           |
| Name/standart      |                         |   | U-Pfostenraeger, lichte Weite 71mm<br>post support bracket, 71mm |                      |                                 |                           |
| <b>GAH ALBERTS</b> |                         |   |  |                      | Zeichnungsnummer drawing number | Version                   |
|                    |                         |   |  |                      | 0367 0071 2VA                   |                           |



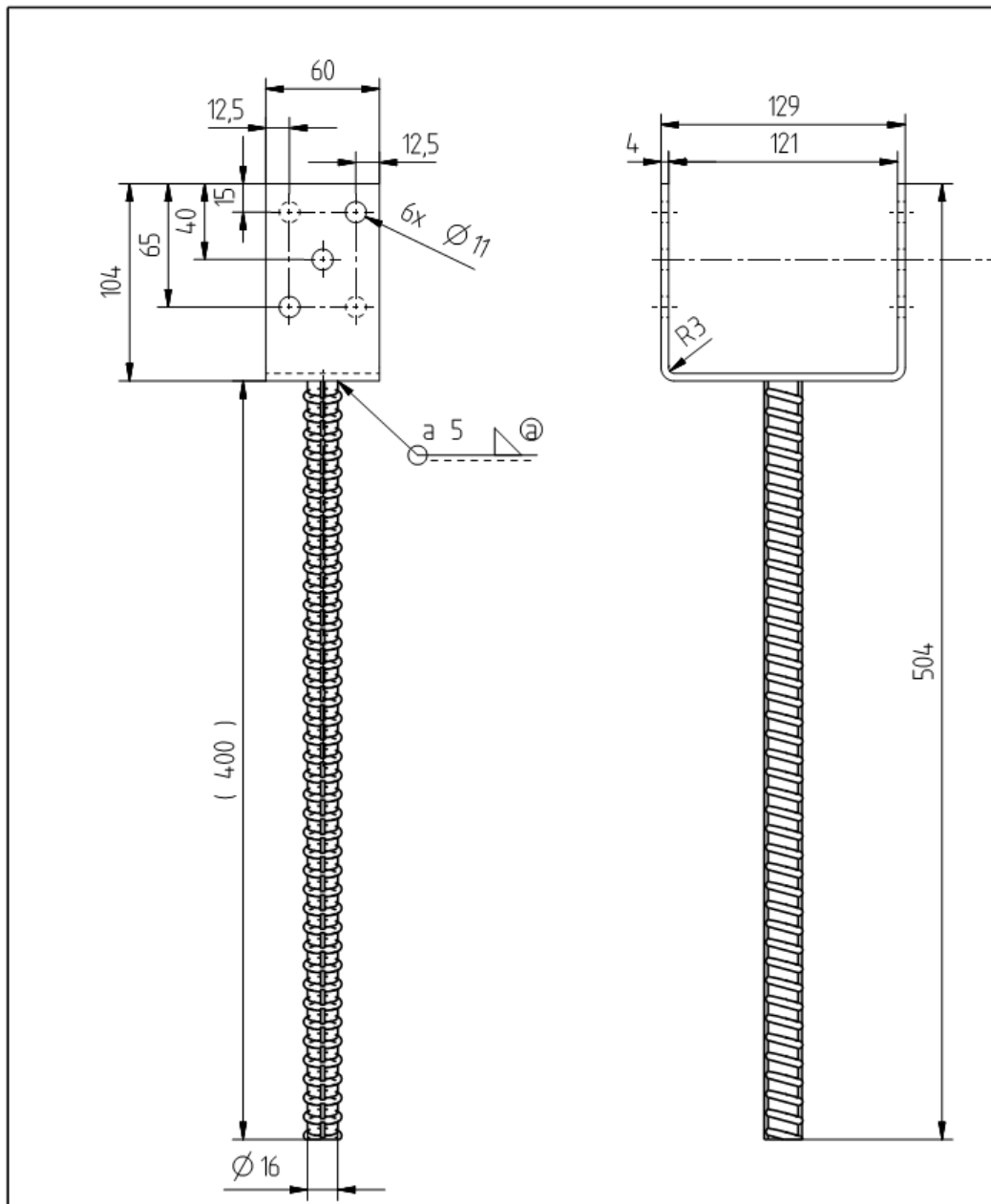
|   |                         |                         |   |                         |                              |                           |
|---|-------------------------|-------------------------|---|-------------------------|------------------------------|---------------------------|
| Pos. position   | Stck. pc.               | Benennung / description |   | Abmessung dimensions    | Zeichnungsnr. drawing number | Bemerkung notes / remarks |
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                         |   | Massstab scale          | Material / material          | 1.4301                    |
|   |                         |                         |   | Typ Nr. typ-number      | Bemerkung / notes / remarks  |                           |
|   |                         |                         |   | 367                     | EAN-Nr. 214210               |                           |
| Zust. condition   | Änderung / modification |                         | Datum/date  | Benennung / description |                              |                           |
|   | Datum/date              | Name/name               | Zul. Abw. acceptance tolerance                                    |                         |                              |                           |
| Bearb./drawer   | 15.12.06                | Dlecks                  | DIN 7168-m  |                         |                              |                           |
| Gepr./examiner  |                         |                         | U-Pfostentraeger, lichte Weite 91mm<br>post support bracket, 91mm |                         |                              |                           |
| Norm/standard   |                         |                         | Zeichnungsnummer drawing number                                   |                         |                              | Version                   |
| GAH ALBERTS   |                         |                         | 0367 0091 2VA   |                         |                              |                           |



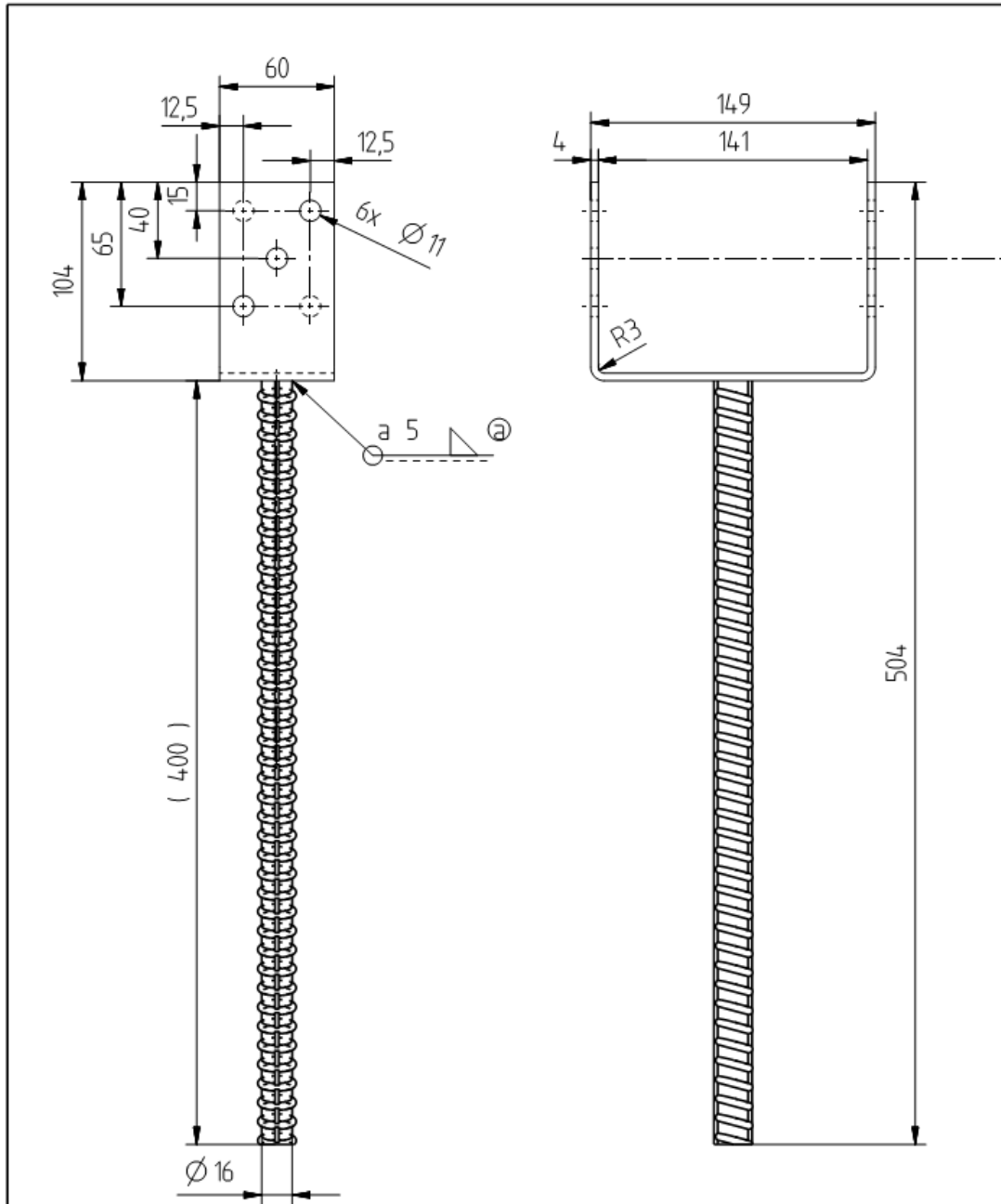
| Pos. position   | Stck. pc.   | Benennung / description |                                | Abmessung dimensions | Zeichnungsnr. drawing number                               | Bemerkung notes / remarks |
|---|---|-------------------------|--------------------------------|----------------------|--|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |   |                         |                                | Massstab scale       | Material / material S235JR / 1.0037                        |                           |
|   |   |                         |                                | Typ Nr. typ-number   | Bemerkung / notes / remarks                                |                           |
|   |   |                         |                                |                      | 369  | 214401                    |
| ⓐ   | Schweissnaht war a7 und jetzt a5<br>Anderung / modification |                         | Datum/date                     | Name/name            | Benennung / description                                    |                           |
|   | Datum/date  | Name/name               | Zul. Abw. acceptance tolerance |                      | Pfostenträger, U-Form, 91mm<br>Post support, U-Shape, 91mm |                           |
| Bearb./drawer   | 28.7.09   | Hunka                   | ISO 2768                       |                      |  |                           |
| Gepr. examiner  |   |                         | mittel                         |                      |  |                           |
| Norm/standard   |   |                         |                                |                      | Zeichnungsnummer drawing number                            | Version                   |
| GAH ALBERTS   |   |                         |                                | 0369 0091 2          |  | CE                        |



| Pos. position   | Stck. pc.               | Benennung / description          |            | Abmessung dimensions                                 | Zeichnungsnr. drawing number | Bemerkung notes / remarks             |
|---|-------------------------|----------------------------------|------------|--|------------------------------|---------------------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                                  |            | Massstab scale                                       | Material / material          | S235JR / 1.0037                       |
|   |                         |                                  |            | Typ Nr. typ-number                                   | 369                          | Bemerkung / notes / remarks<br>214418 |
| Ⓐ   |                         | Schweissnaht war a7 und jetzt a5 |            | 23.09.2014   | Bogdan                       |                                       |
| Zust. condition   | Änderung / modification |                                  | Datum/date | Name/name  |                              |                                       |
| Bearb./drawer   | 28.7.09                 | Name/name                        |            | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                              |                                       |
| Gepr./inspector   | Hunka                   |                                  |            |  |                              |                                       |
| Norm/standard   |                         |                                  |            |  |                              |                                       |
| <b>GAH ALBERTS</b>  |                         |                                  |            | Zeichnungsnummer drawing number                      | 0369 0101 2                  | Version<br>CE                         |

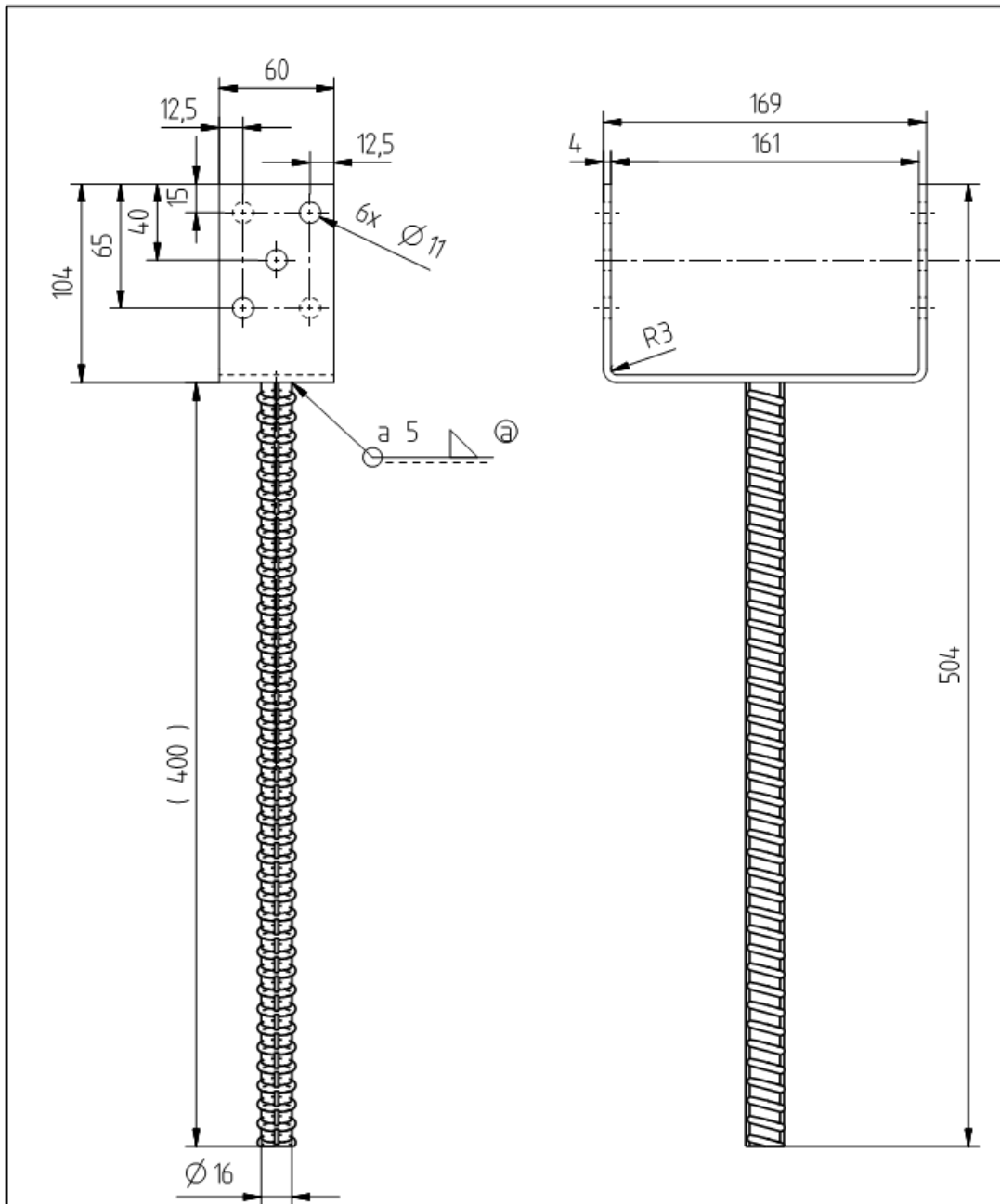


|   |                         |                         |                                |   |   |                           |
|---|-------------------------|-------------------------|--------------------------------|---|---|---------------------------|
| Pos. position   | Stk. pc.                | Benennung / description |                                | Abmessung dimensions  | Zeichnungsnr. drawing number                  | Bemerkung notes / remarks |
| Anderungen nur durch Abteilung K<br>modification only from department K |                         |                         |                                | Massstab scale  | Material / material S235JR/1.0037             |                           |
|   |                         |                         |                                | Typ Nr. typ-number 369  | Bemerkung / notes / remarks<br>EAN Nr. 212711 |                           |
| Ⓐ war a7 ist jetzt a5   |                         | 31.10.2014              | Bogdan                         | Benennung / description   |   |                           |
| Zust. condition   | Anderung / modification |                         | Datum/date                     | Name/name   |   |                           |
| Bearb./drawer   | Datum/date              | Name/name               | Zul. Abw. acceptance tolerance |   |   |                           |
| Gepr. examiner  | 23.11.11                | Fuhrmann                | DIN 2768 mittel                |   |   |                           |
| Norm/standard   |                         |                         |                                | Pfostentraeger, U-Form,<br>lichte Weite 121mm<br>Post support, U-shape, 121mm |   | Version                   |
| GAH ALBERTS   |                         |                         |                                | Zeichnungsnummer drawing number   | 0369 0121 2                                   |                           |



|   |            |                         |                                |                                 |   |                           |
|---|------------|-------------------------|--------------------------------|---------------------------------|---|---------------------------|
| Pos. position   | Stck. pc.  | Benennung / description |                                | Abmessung dimensions            | Zeichnungsnr. drawing number                  | Bemerkung notes / remarks |
| Anderungen nur durch Abteilung K<br>modification only from department K                       |            |                         |                                | Massstab scale                  | Material / material S235JR/1.0037             |                           |
|   |            |                         |                                | Typ. Nr. typ-number             | Bemerkung / notes / remarks<br>EAN Nr. 212728 |                           |
| Ⓐ war a7 ist jetzt a5<br>Änderung / modification<br>Datum/date 31.10.2014<br>Name/name Bogdan |            |                         |                                | Benennung / description         |   |                           |
| Bearb./drawer   | Datum/date | Name/name               | Zul. Abw. acceptance tolerance |                                 |   |                           |
| Gepr. examiner  | 23.11.11   | Fuhrmann                | DIN 2768 mittel                |                                 |   |                           |
| Norm/standard   |            |                         |                                |                                 |   |                           |
| GAH ALBERTS   |            |                         |                                | Zeichnungsnummer drawing number | 0369 0141 2                                   | Version                   |

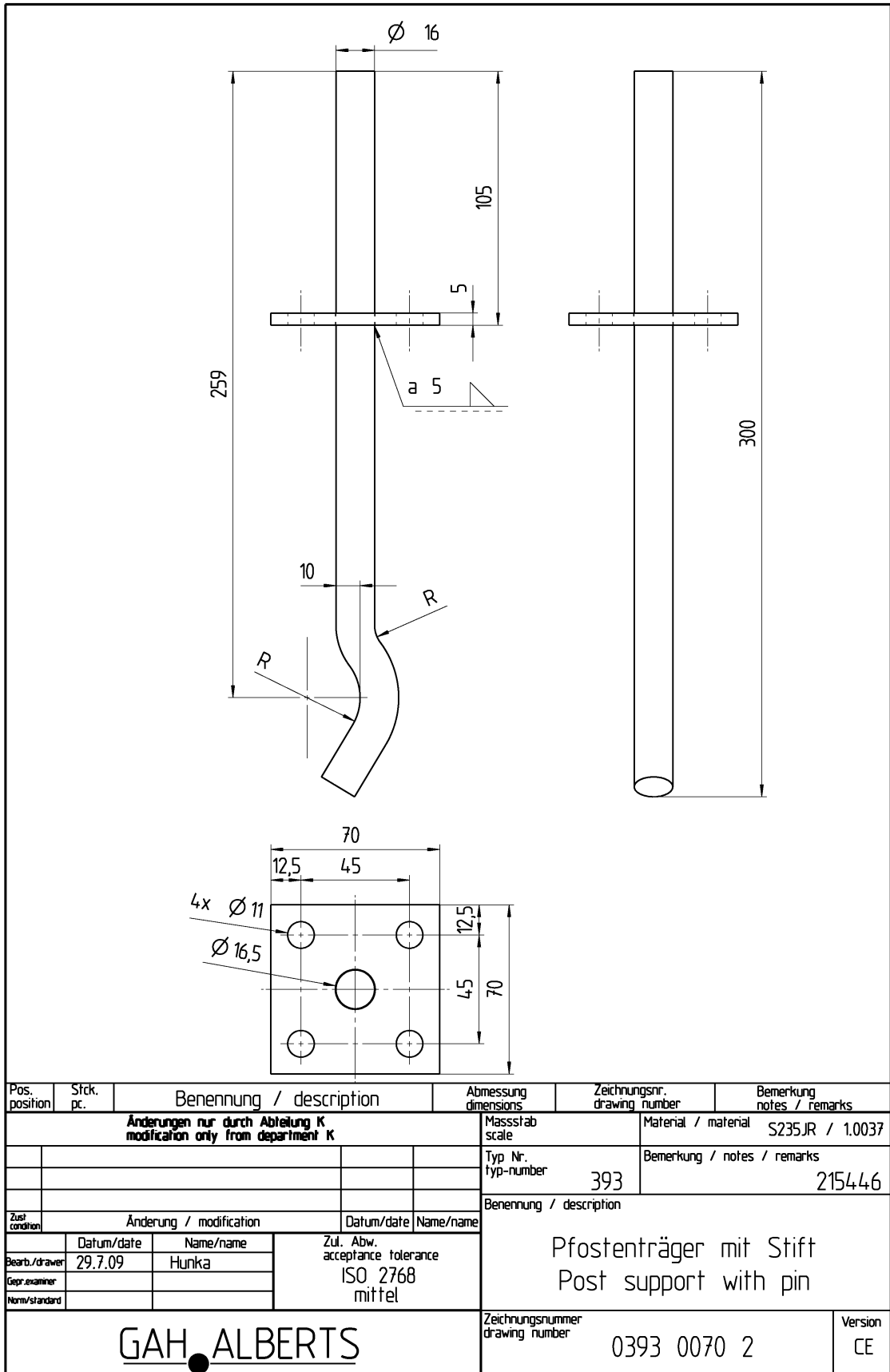


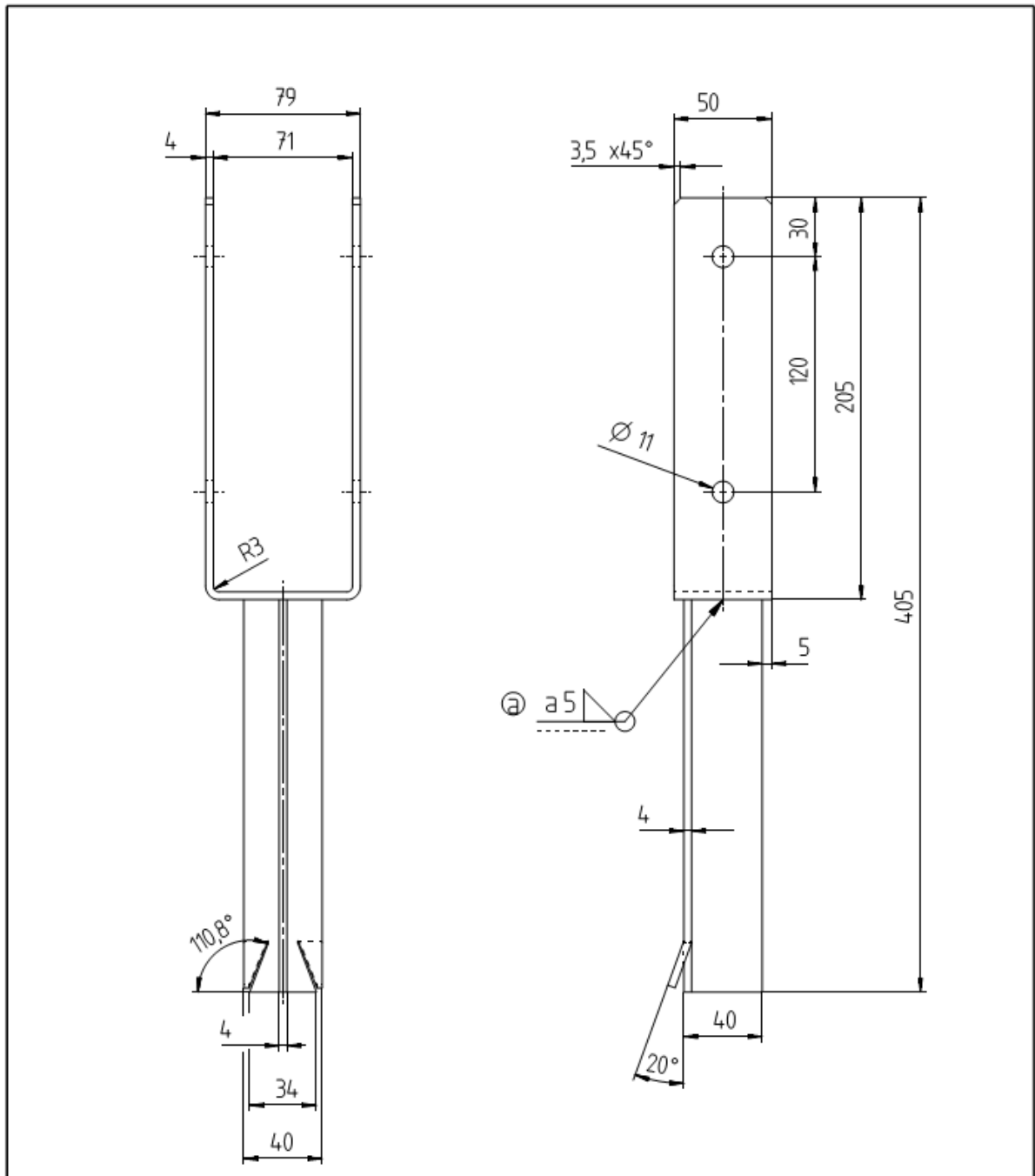


| Pos. position   | Stck. pc.               | Benennung / description |  | Abmessung dimensions  | Zeichnungsnr. drawing number                  | Bemerkung notes / remarks |
|---|-------------------------|-------------------------|--|---|---|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                         |  | Massstab scale  | Material / material S235JR/1.0037             |                           |
|   |                         |                         |  | Typ Nr. typ-number  | Bemerkung / notes / remarks<br>EAN Nr. 212896 |                           |
| Ⓐ war a7 ist jetzt a5   |                         |                         |  | 31.10.2014  | Bogdan  |                           |
| Zust. condition   | Änderung / modification |                         |  | Datum/date  | Name/name                                     |                           |
| Bearb./drawer   | Datum/date              | Name/name               |  | Zul. Abw. acceptance tolerance  |   |                           |
| Gep. examiner   | 23.11.11                | Fuhrmann                |  | DIN 2768 mittel   |   |                           |
| Norm/standard   |                         |                         |  | Benennung / description<br>Pfostenraeger, U-Form,<br>lichte Weite 161mm<br>Post support, U-shape, 161mm |   |                           |
| GAH ALBERTS   |                         |                         |  | Zeichnungsnummer drawing number   | 0369 0161 2                                   | Version                   |



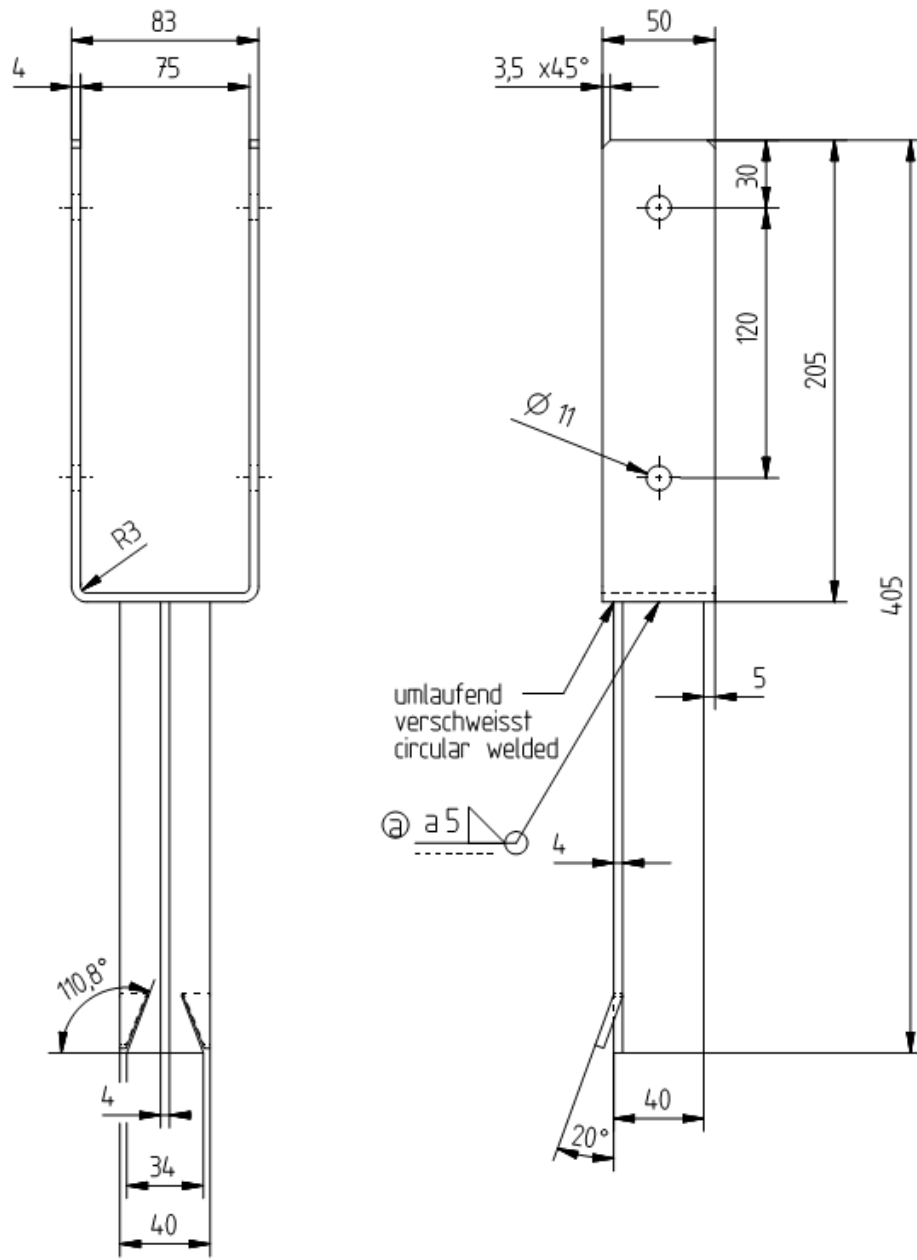




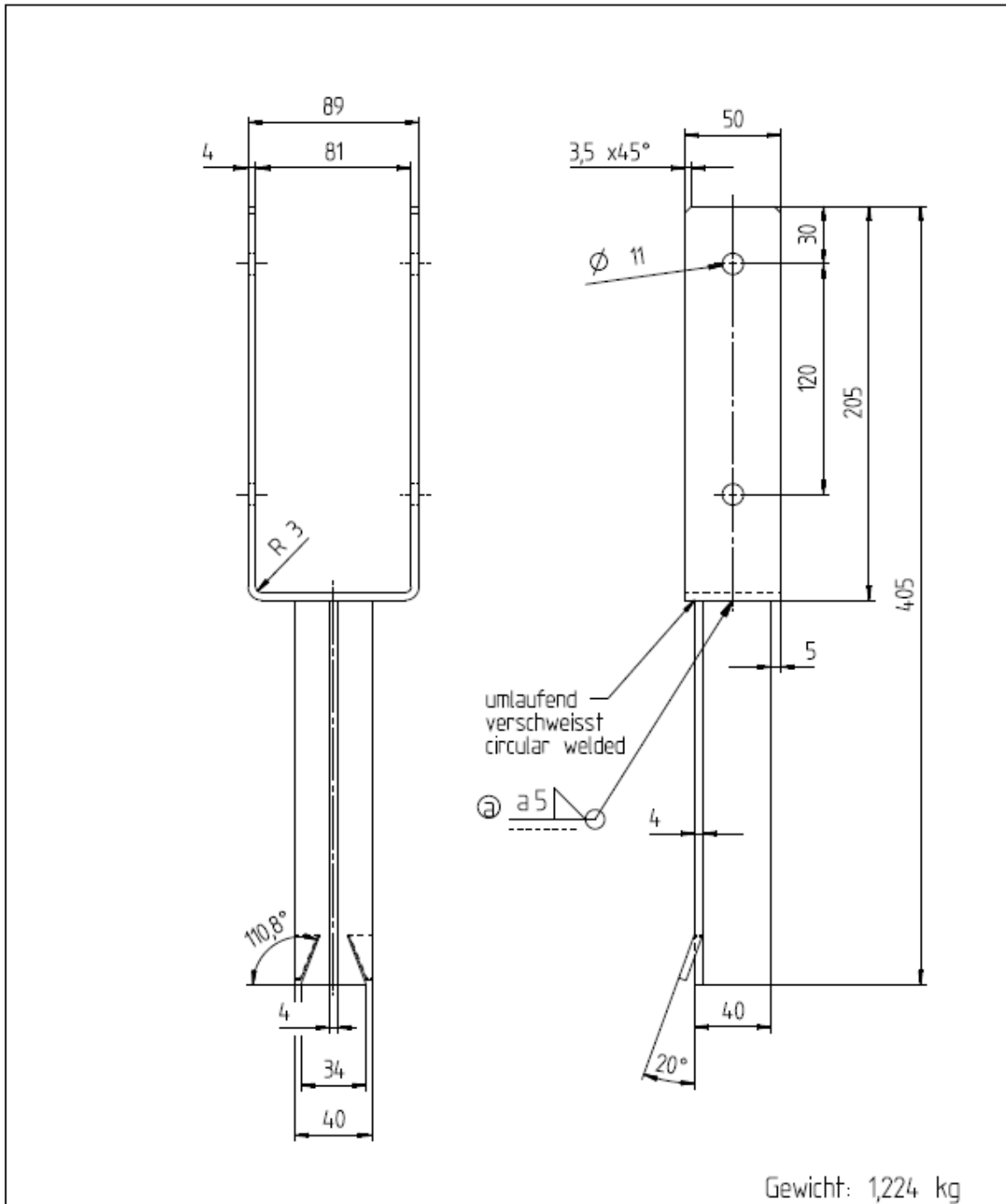


Gewicht: 1,209 kg

| Pos. position   | Stck. pc.                        | Benennung / description |                                | Abmessung dimensions | Zeichnungsnr. drawing number                         | Bemerkung notes / remarks |
|---|----------------------------------|-------------------------|--------------------------------|----------------------|--|---------------------------|
| Anderungen nur durch Abteilung K<br>modification only from department K |                                  |                         |                                | Massstab scale       | Material / material S235JR / 1.0037                  |                           |
|   |                                  |                         |                                | Typ Nr. typ-number   | Bemerkung / notes / remarks                          |                           |
|   |                                  |                         |                                | 394                  | 216740   |                           |
| Ⓐ   | Schweissnaht war a7 und jetzt a5 |                         | 23.09.2014                     | Bogdan               | Benennung / description                              |                           |
| Zust. condition   | Anderung / modification          |                         | Datum/date                     | Name/name            | U-Pfostenlasche, 71mm<br>Post support, U-Shape, 71mm |                           |
| Bearb./drawer   | Datum/date                       | Name/name               | Zul. Abw. acceptance tolerance |                      |  |                           |
| Gepr. examiner  | 28.7.09                          | Hunka                   | ISO 2768 mittel                |                      |  |                           |
| Norm/standard   |                                  |                         |                                |                      |  |                           |
| <b>GAH ALBERTS</b>  |                                  |                         |                                |                      | Zeichnungsnummer drawing number                      | Version                   |
|   |                                  |                         |                                |                      | 0394 0071 2  | CE                        |



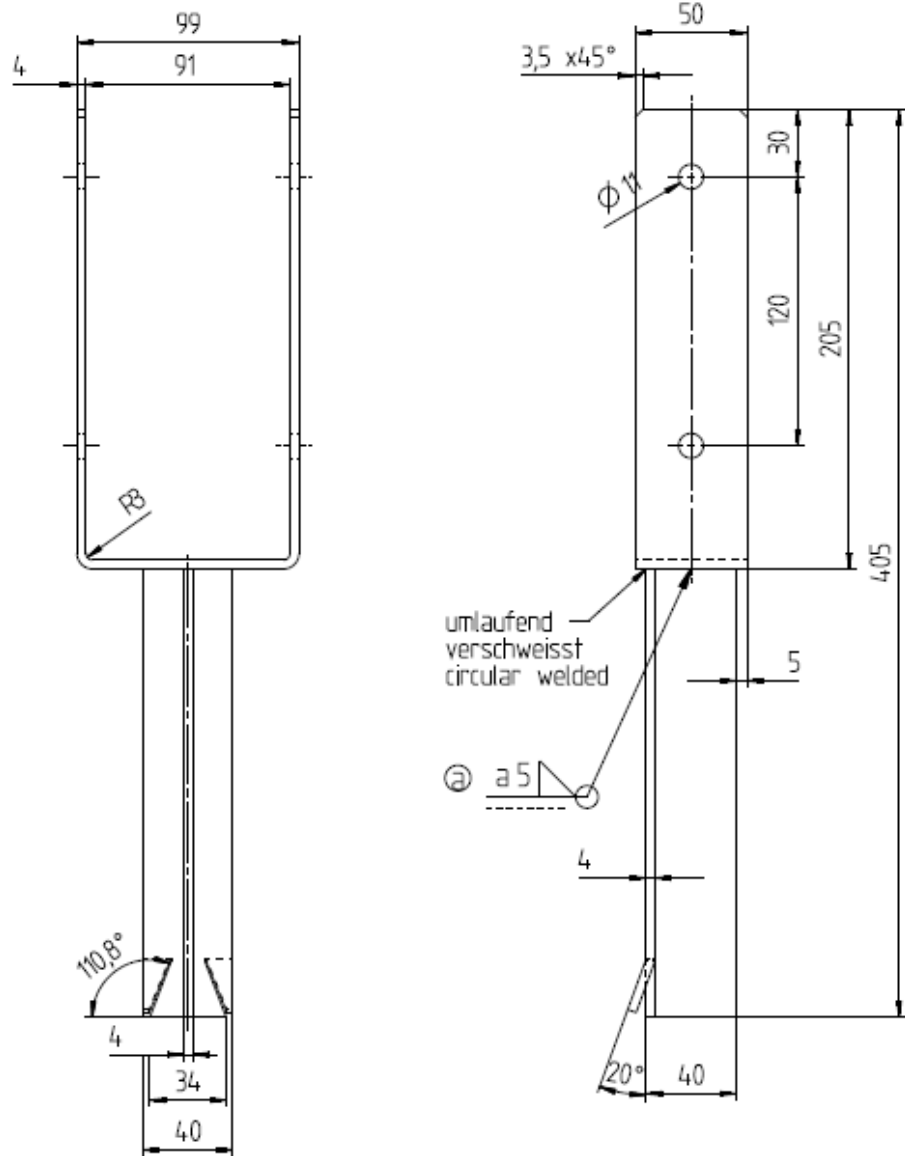
|   |                                  |                         |                                |                                 |  |                           |
|---|----------------------------------|-------------------------|--------------------------------|---------------------------------|--|---------------------------|
| Pos. position   | Stck. pc.                        | Benennung / description |                                | Abmessung dimensions            | Zeichnungsnr. drawing number                         | Bemerkung notes / remarks |
| Anderungen nur durch Abteilung K<br>modification only from department K |                                  |                         |                                | Massstab scale                  | Material / material                                  | S235JR / 1.0037           |
|   |                                  |                         |                                | Typ Nr. typ-number              | Bemerkung / notes / remarks                          |                           |
|   |                                  |                         |                                |                                 | 394  | 216757                    |
| Ⓐ   | Schweissnaht war a7 und jetzt a5 |                         | 23.09.2014                     | Bogdan                          | Benennung / description                              |                           |
| Zust. condition   | Änderung / modification          |                         | Datum/date                     | Name/name                       | U-Pfostenlasche, 75mm<br>Post support, U-Shape, 75mm |                           |
| Bearb./drawer   | Datum/date                       | Name/name               | Zul. Abw. acceptance tolerance |                                 |  |                           |
| Gepr. examiner  | 28.7.09                          | Hunka                   | ISO 2768                       |                                 |  |                           |
| Norm/standard   |                                  |                         | mittel                         |                                 |  |                           |
| GAH ALBERTS   |                                  |                         |                                | Zeichnungsnummer drawing number | 0394 0075 2  | Version                   |
|   |                                  |                         |                                |                                 |  | CE                        |



Gewicht: 1,224 kg

|   |                                 |                         |  |                                 |                                     |                           |
|---|---------------------------------|-------------------------|--|---------------------------------|-------------------------------------|---------------------------|
| Pos. position   | Sfck. pc.                       | Benennung / description |  | Abmessung dimensions            | Zeichnungsnr. drawing number        | Bemerkung notes / remarks |
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         |  | Massstab scale                  | Material / material S235JR / 1.0037 |                           |
|   |                                 |                         |  | Typ Nr. typ-number              | Bemerkung / notes / remarks         |                           |
|   |                                 |                         |  | 394                             | 216764                              |                           |
| Ⓐ   | Schweißnaht war a7 und jetzt a5 |                         | 23.09.2014   | Bogdan                          |                                     |                           |
| Zust. condition   | Änderung / modification         |                         | Datum/date   | Name/name                       |                                     |                           |
| Bearb./drawer   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |                                     |                           |
| Gepr. examiner  |                                 |                         |  |                                 |                                     |                           |
| Norm/standard   |                                 |                         |  |                                 |                                     |                           |
| GAH ALBERTS   |                                 |                         |  | Zeichnungsnummer drawing number | 0394 0081 2                         | Version CE                |

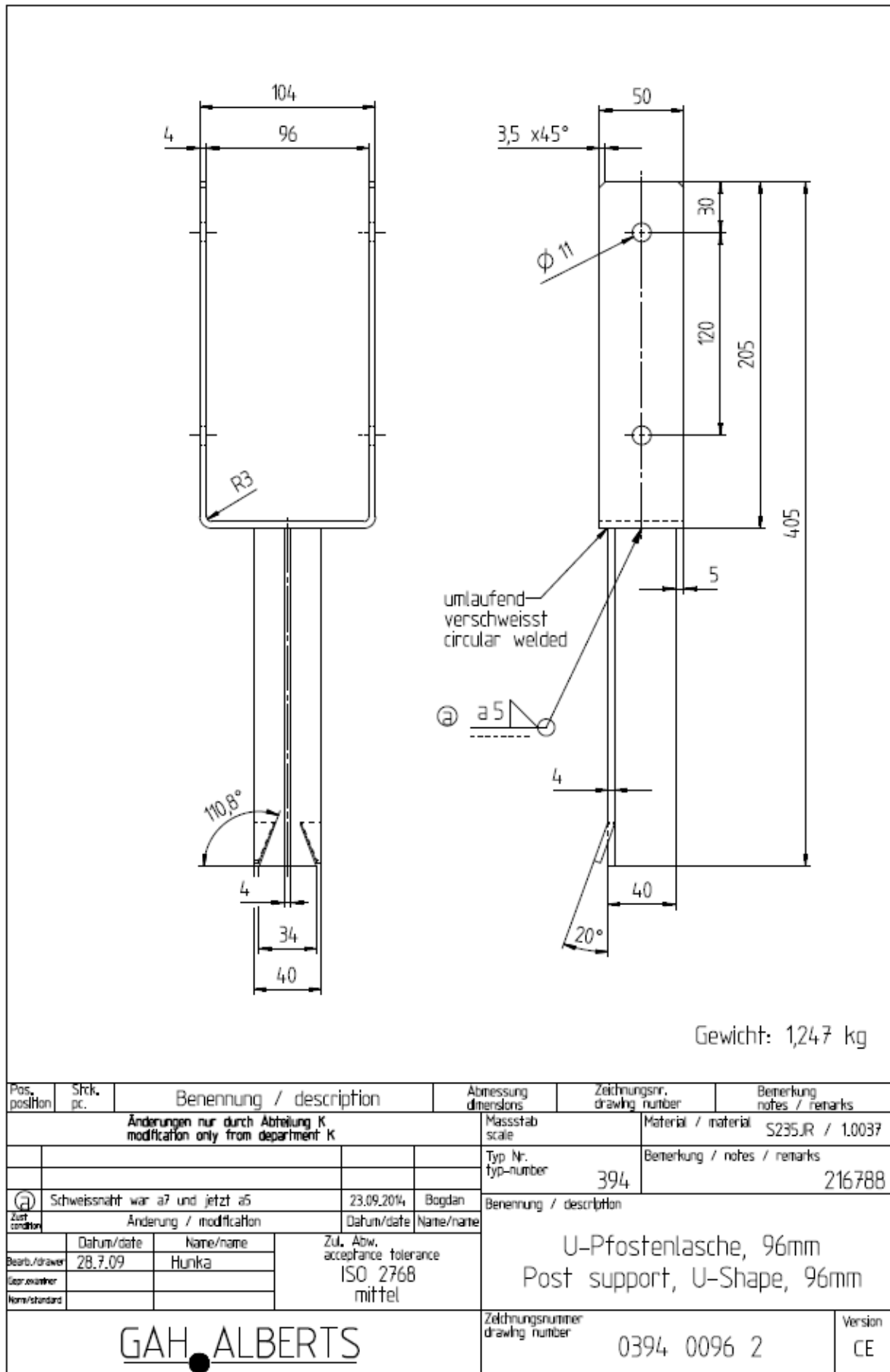
U-Pfostenlasche, 81mm  
Post support, U-Shape, 81mm

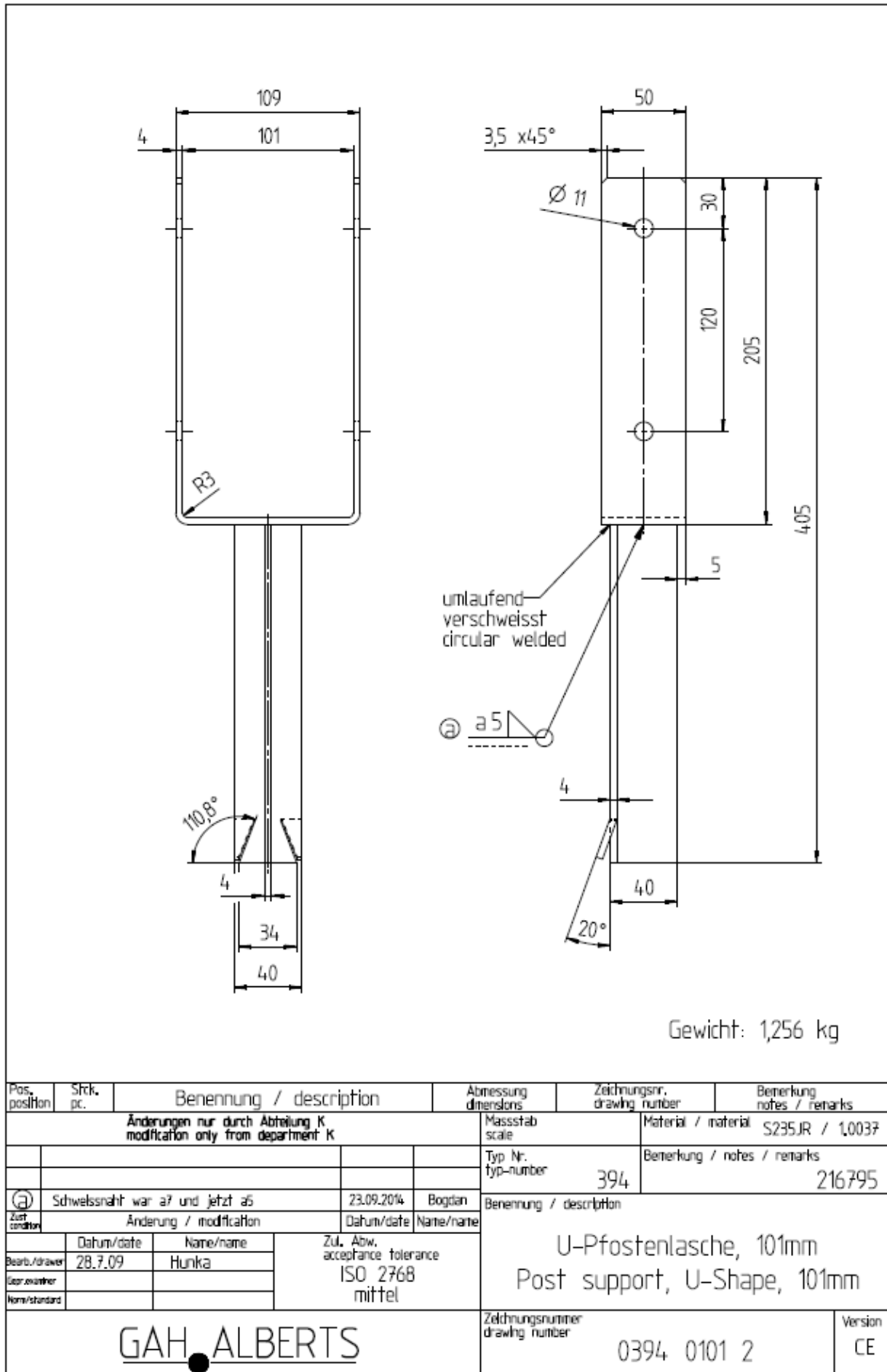


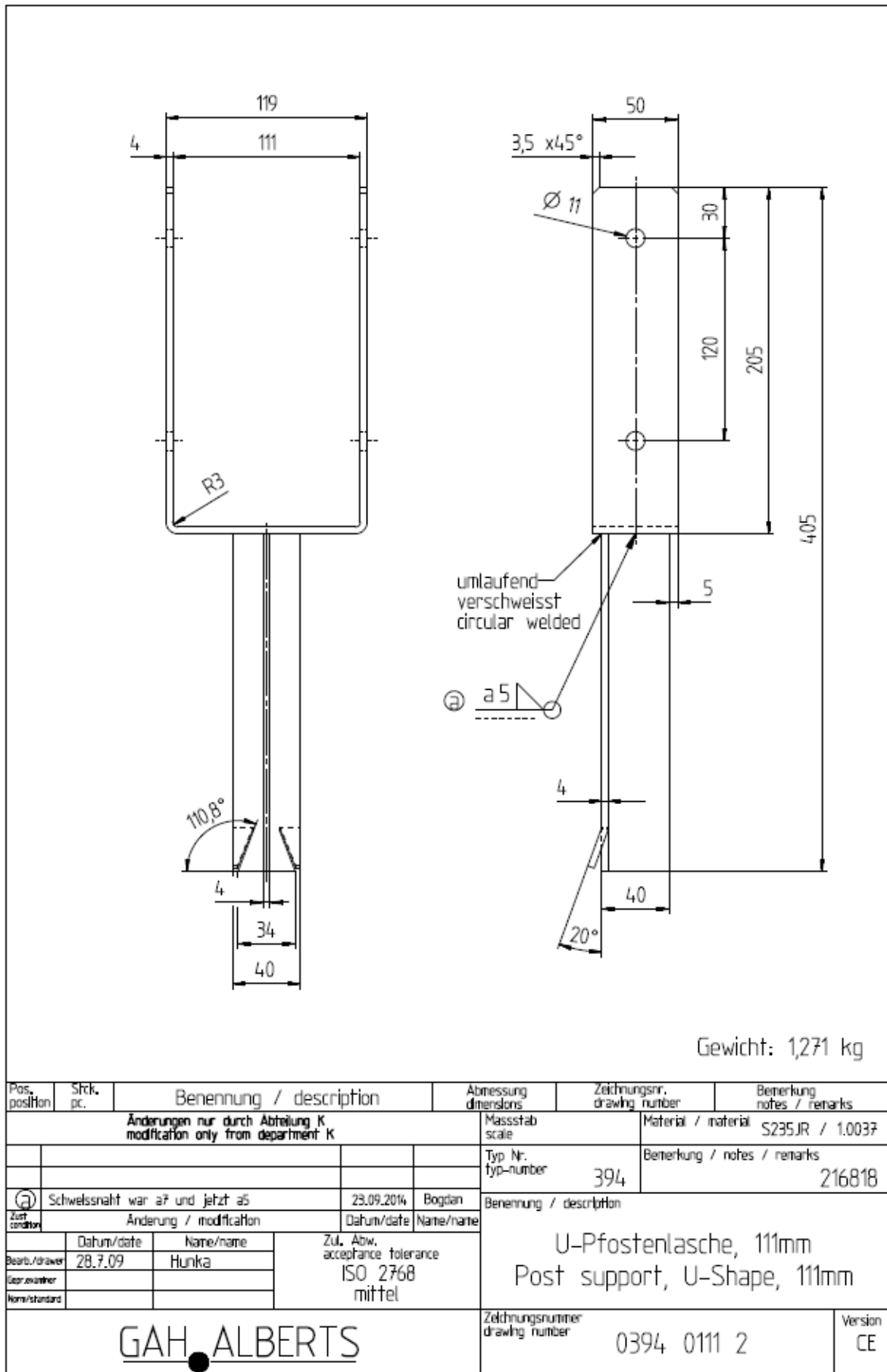
Gewicht: 1,24 kg

| Pos. position   | Stck. pc.               | Benennung / description   | Abmessung dimensions            | Zeichnungsnr. drawing number | Bemerkung notes / remarks                            |
|-----------------|-------------------------|---|---------------------------------|------------------------------|--|
|                 |                         | Änderungen nur durch Abteilung K<br>modification only from department K |                                 | Massstab scale               | Material / material S235JR / 1.0037                  |
|                 |                         |   |                                 | Typ Nr. typ-number 394       | Bemerkung / notes / remarks 216771                   |
| Ⓐ               |                         | Schweißnaht war a7 und jetzt a5   | 23.09.2014                      | Bogdan                       | Benennung / description                              |
| Zust. condition | Änderung / modification |   | Datum/date                      | Name/name                    | U-Pfostenlasche, 91mm<br>Post support, U-Shape, 91mm |
| Bearb./drawer   | Datum/date              | Name/name   | Zul. Abw. acceptance tolerance  |                              |  |
| Gepr. number    |                         |   | ISO 2768 mittel                 |                              |  |
| Norm/standard   |                         |   |                                 |                              |  |
| GAH ALBERTS     |                         |   | Zeichnungsnummer drawing number | 0394 0091 2                  | Version CE   |

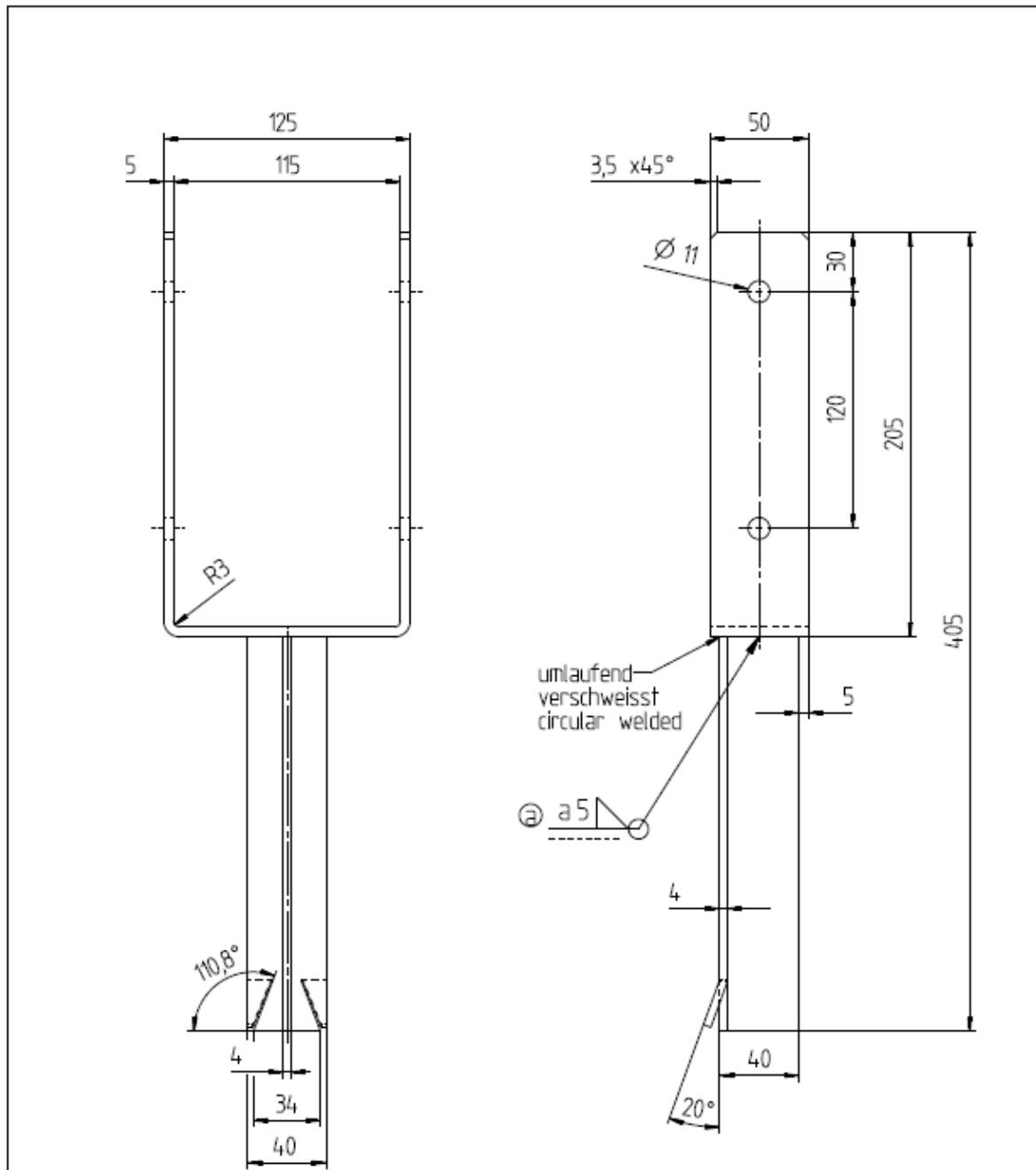






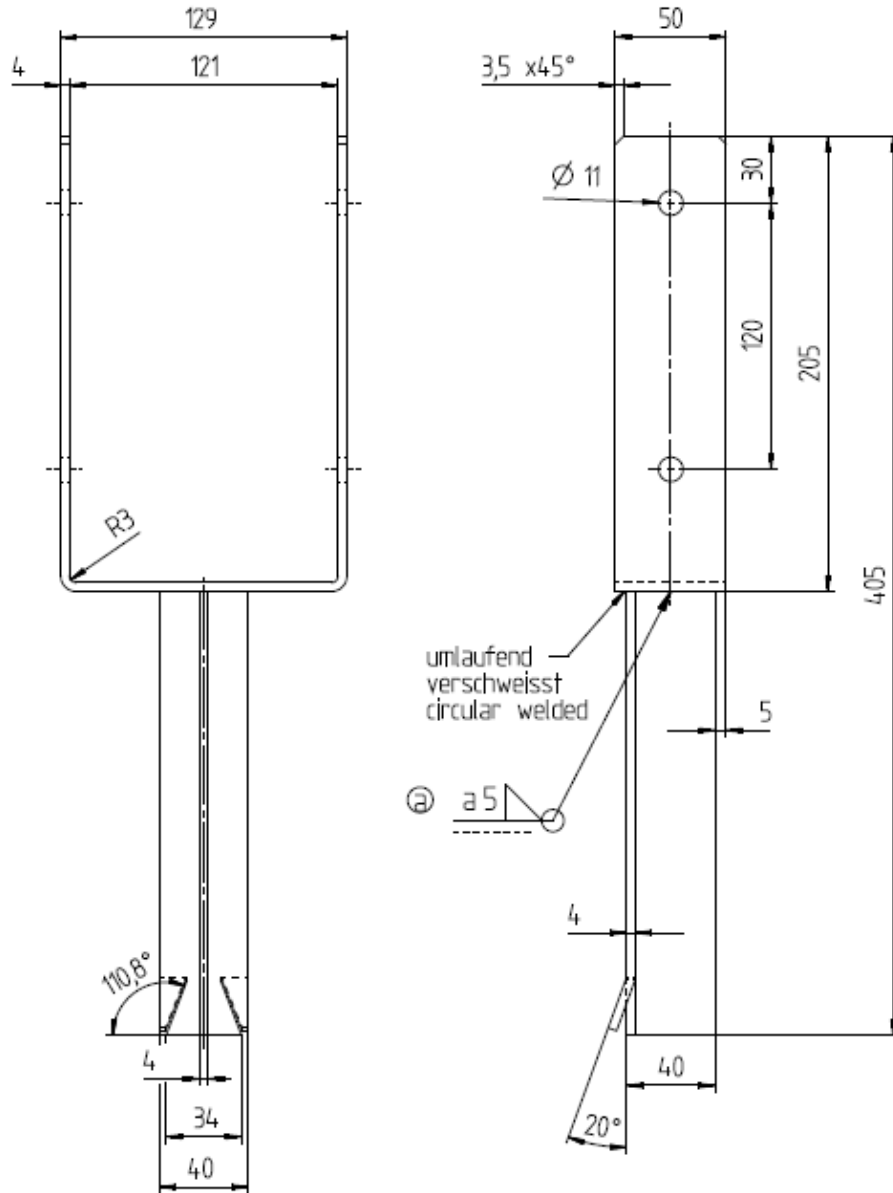


| Pos. position   | Sfck. pc.                       | Benennung / description | Abmessung dimensions                                 | Zeichnungsnr. drawing number        | Bemerkung notes / remarks |
|---|---------------------------------|-------------------------|--|-------------------------------------|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         | Massstab scale                                       | Material / material S235JR / 1.0037 |                           |
|   |                                 |                         | Typ Nr. typ-number                                   | Bemerkung / notes / remarks         |                           |
|   |                                 |                         | 394  | 216818                              |                           |
| Ⓐ   | Schweißnaht war a7 und jetzt a5 |                         | Datum/date 23.09.2014                                | Name/name Bogdan                    |                           |
| Zust. condition   | Änderung / modification         |                         | Datum/date   | Name/name                           |                           |
| Bearb./drawer   | Datum/date 28.7.09              | Name/name Hunka         | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                     |                           |
| Gepr. examiner  |                                 |                         |  |                                     |                           |
| Norm/standard   |                                 |                         |  |                                     |                           |
| <b>GAH ALBERTS</b>  |                                 |                         | Zeichnungsnummer drawing number                      | 0394 0111 2                         | Version CE                |



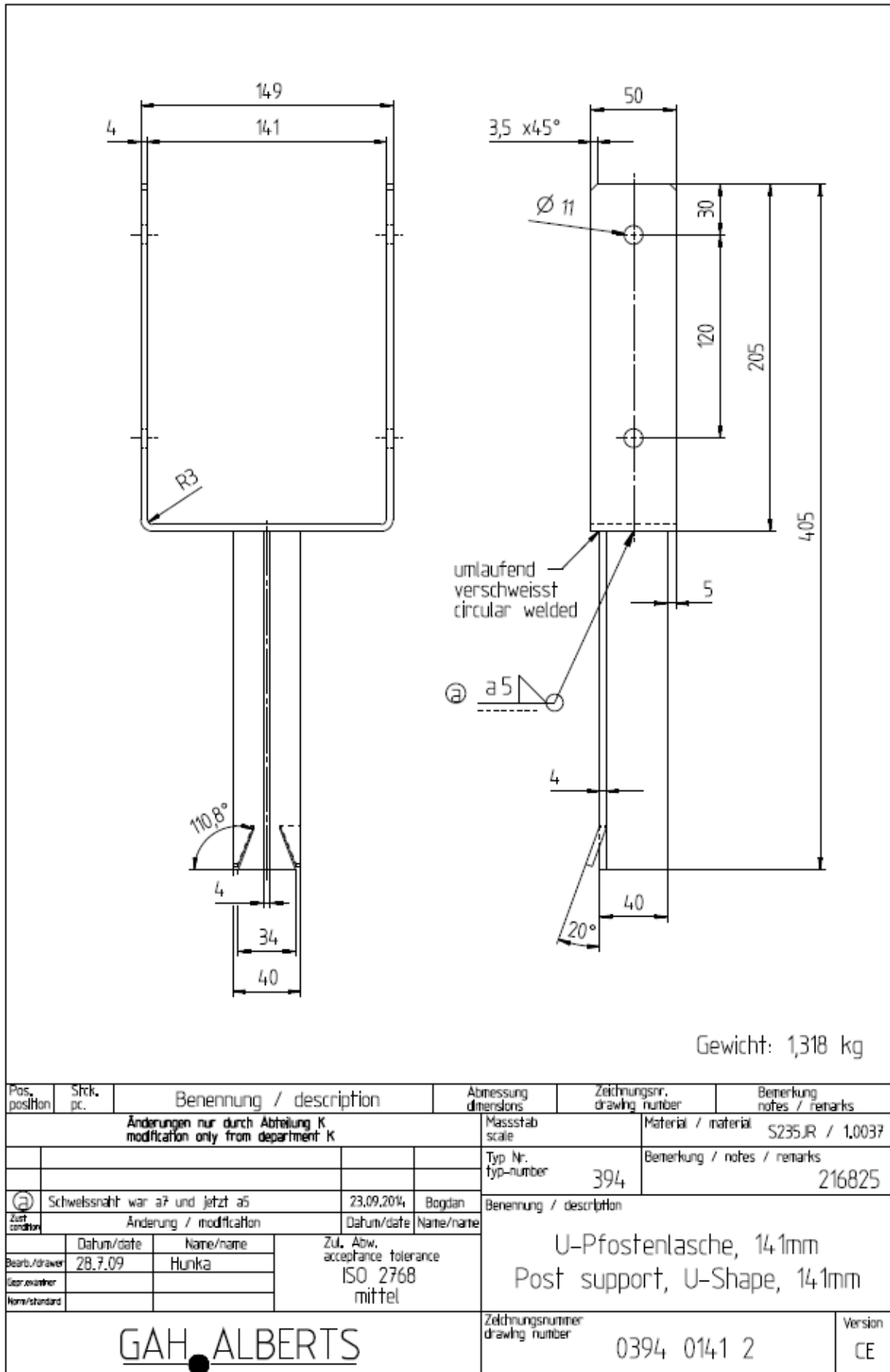
Gewicht: 1,477 kg

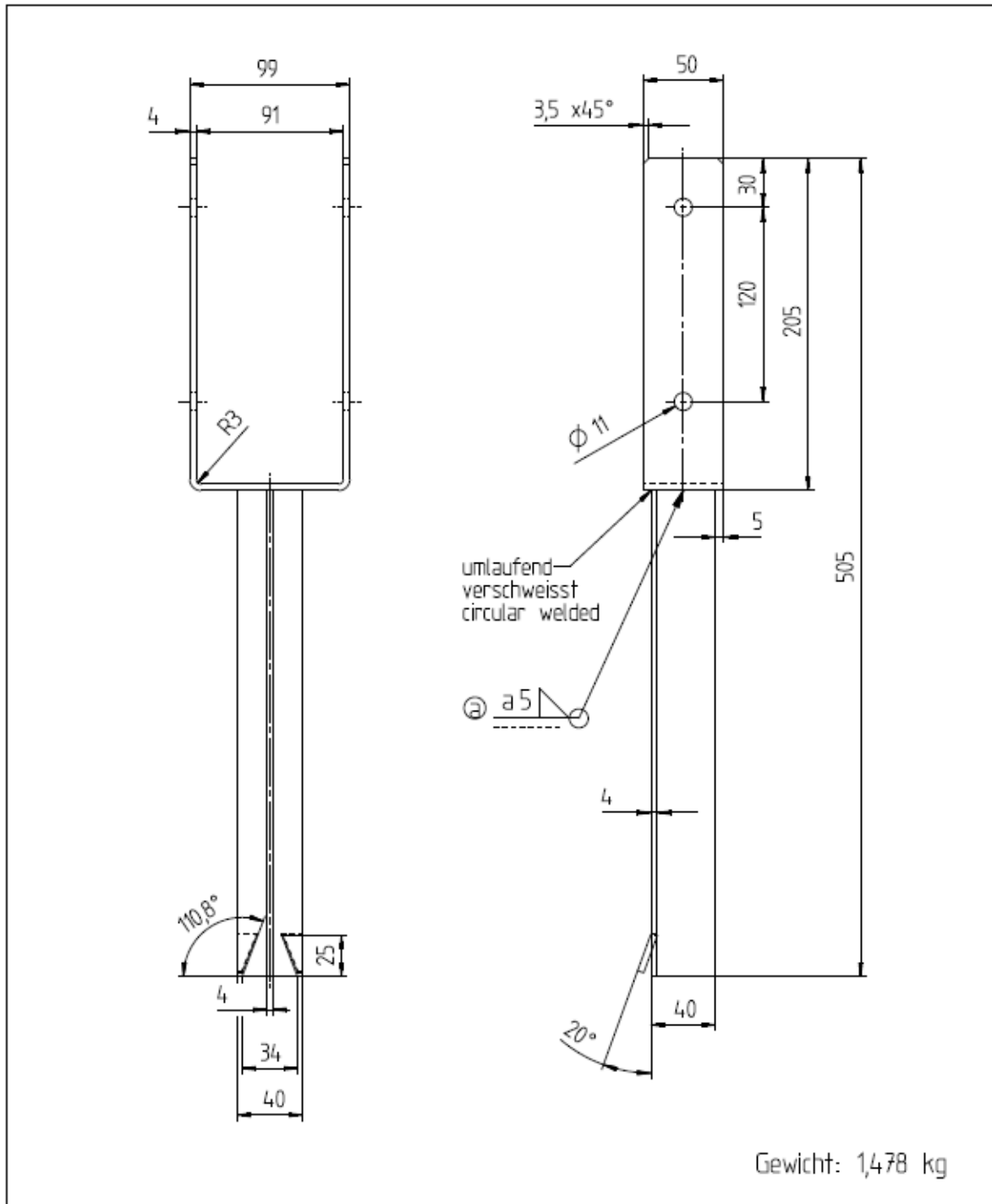
| Pos. position   | Stck. pc.                       | Benennung / description | Abmessung dimensions                                 | Zeichnungsnr. drawing number    | Bemerkung notes / remarks |
|---|---------------------------------|-------------------------|--|---------------------------------|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         | Massstab scale                                       | Material / material             | S235JR / 1.0037           |
|   |                                 |                         | Typ Nr. typ-number                                   | Bemerkung / notes / remarks     |                           |
|   |                                 |                         | 394  | 216832                          |                           |
| Ⓢ   | Schweißnaht war a7 und jetzt a5 |                         | 23.09.2014   | Bogdan                          | Benennung / description   |
| Zust. condition   | Änderung / modification         |                         | Datum/date   | Name/name                       |                           |
| Bearb./drawer   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |                           |
| Exp. number   | 28.7.09                         | Hunka                   |  |                                 |                           |
| Norm/standard   |                                 |                         |  |                                 |                           |
| GAH ALBERTS   |                                 |                         |  | Zeichnungsnummer drawing number | 0394 0116 2               |
|   |                                 |                         |  | Version                         | CE                        |



Gewicht: 1,287 kg

| Pos. position   | Stck. pc.                        | Benennung / description | Abmessung dimensions                                 | Zeichnungsnr. drawing number    | Bemerkung notes / remarks |
|---|----------------------------------|-------------------------|--|---------------------------------|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                  |                         | Massstab scale                                       | Material / material             | S235JR / 1.0037           |
|   |                                  |                         | Typ Nr. typ-number                                   | Bemerkung / notes / remarks     |                           |
|   |                                  |                         | 394  | 216801                          |                           |
| Ⓐ   | Schweissnaht war a7 und jetzt a5 |                         | 23.09.2014   | Bogdan                          | Benennung / description   |
| Zust. condition   | Änderung / modification          |                         | Datum/date   | Name/name                       |                           |
| Bearb./drawer   | Datum/date                       | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |                           |
| Exp. number   |                                  | Hunka                   |  |                                 |                           |
| Norm/standard   |                                  |                         |  |                                 |                           |
| GAH ALBERTS   |                                  |                         |  | Zeichnungsnummer drawing number | Version                   |
|   |                                  |                         |  | 0394 0121 2                     | CE                        |

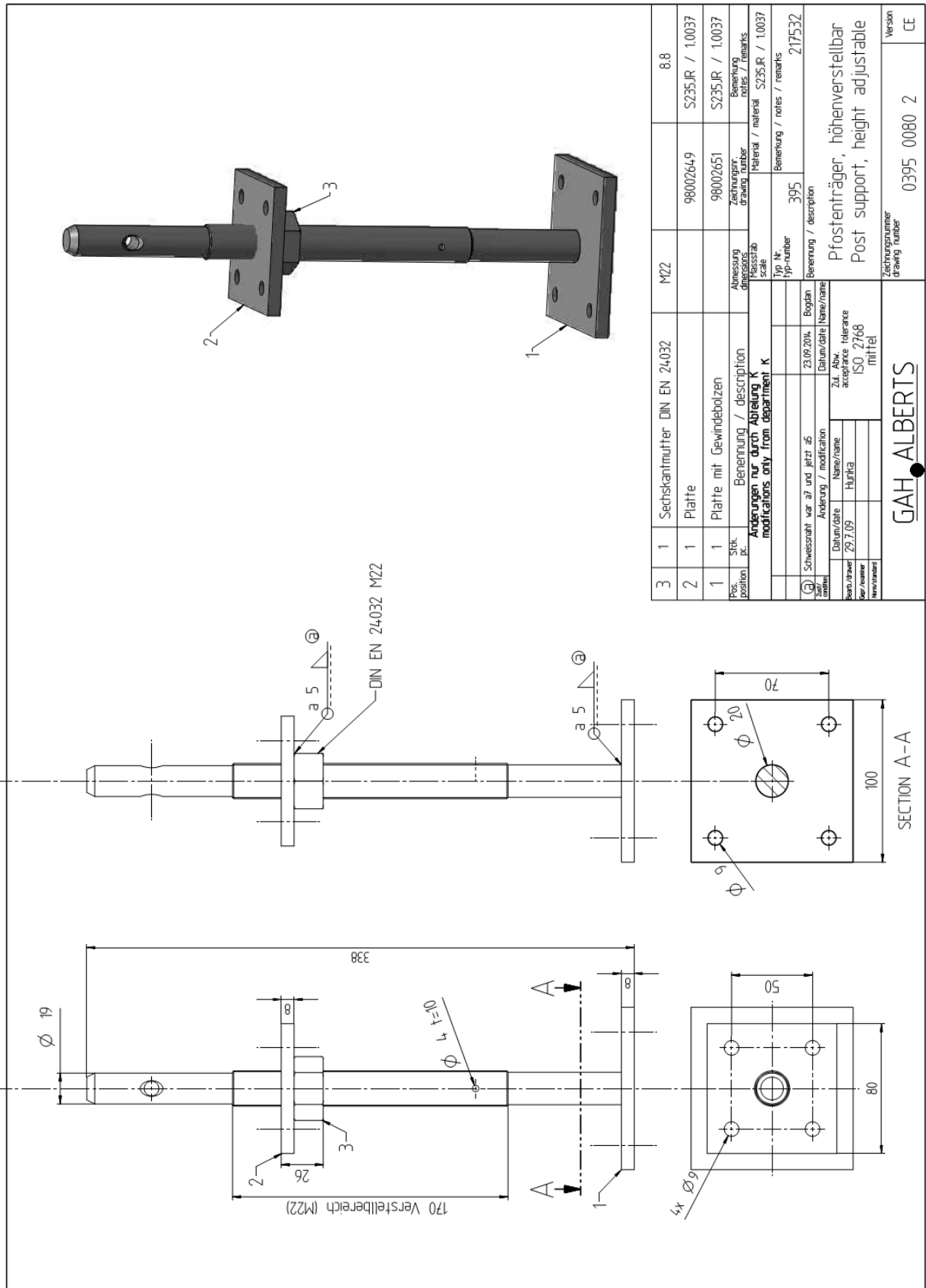




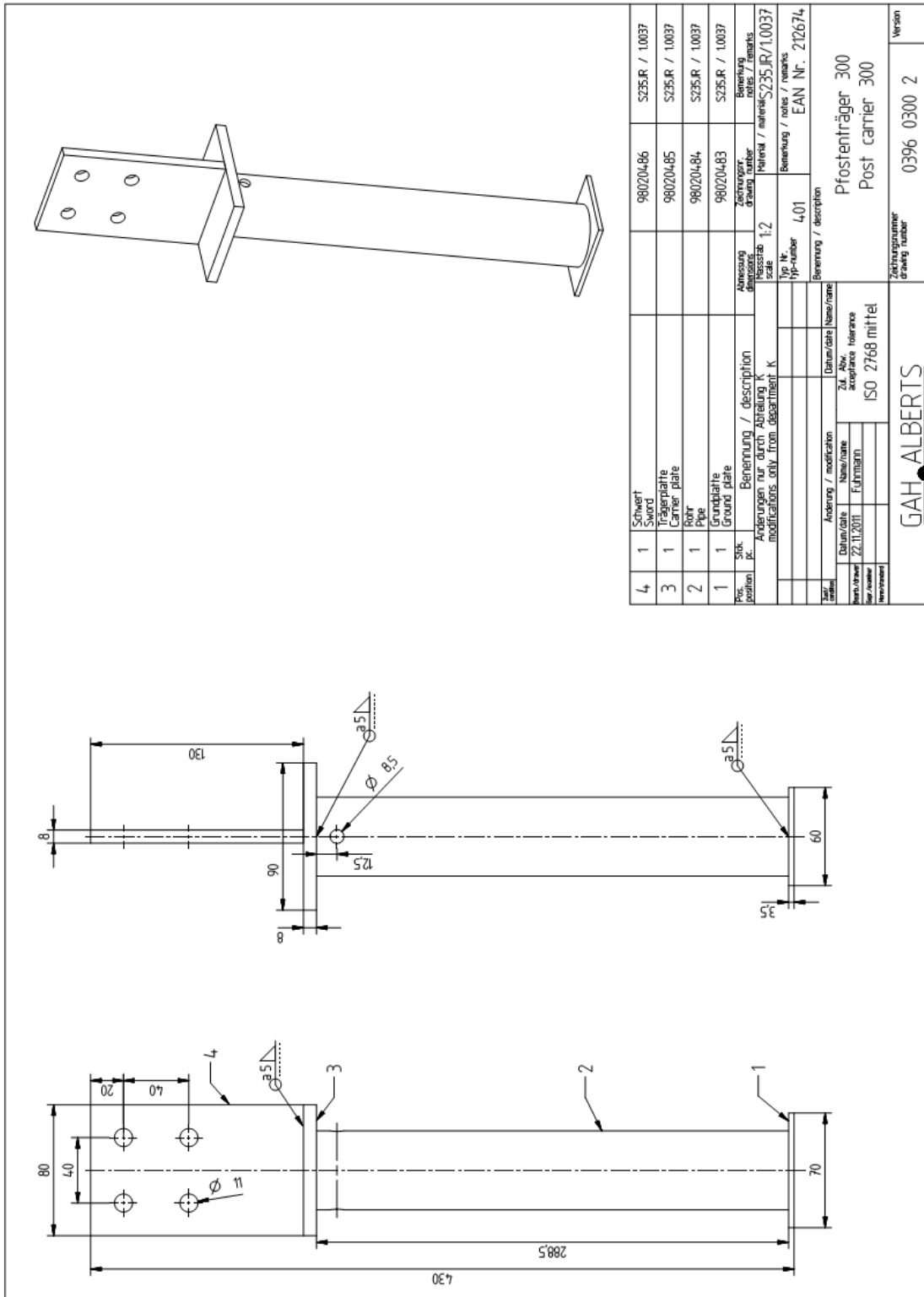
Gewicht: 1,478 kg

| Pos. position   | Stck. pc.               | Benennung / description | Abmessung dimensions                           | Zeichnungsnr. drawing number        | Bemerkung notes / remarks |
|---|-------------------------|-------------------------|--|-------------------------------------|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                         | Massstab scale                                 | Material / material S235JR / 1.0037 |                           |
|   |                         |                         | Typ Nr. typ-number                             | Bemerkung / notes / remarks 216870  |                           |
| Schweißnaht war a7 und jetzt a5   |                         |                         | Datum/date 23.09.2014                          | Name/name Bogdan                    |                           |
| Zust. condition   | Änderung / modification |                         | Datum/date                                     | Name/name                           |                           |
| Bearb./drawer   | Datum/date 28.7.09      | Name/name Hunka         | Zul. Abw. acceptance tolerance ISO 2768 mittel |                                     |                           |
| Gepr. author  |                         |                         |  |                                     |                           |
| Norm/standard   |                         |                         |  |                                     |                           |
| GAH ALBERTS   |                         |                         | Zeichnungsnummer drawing number 0394 0092 2    |                                     | Version CE                |

U-Pfostenlasche, 92mm  
Post support, U-Shape, 92mm

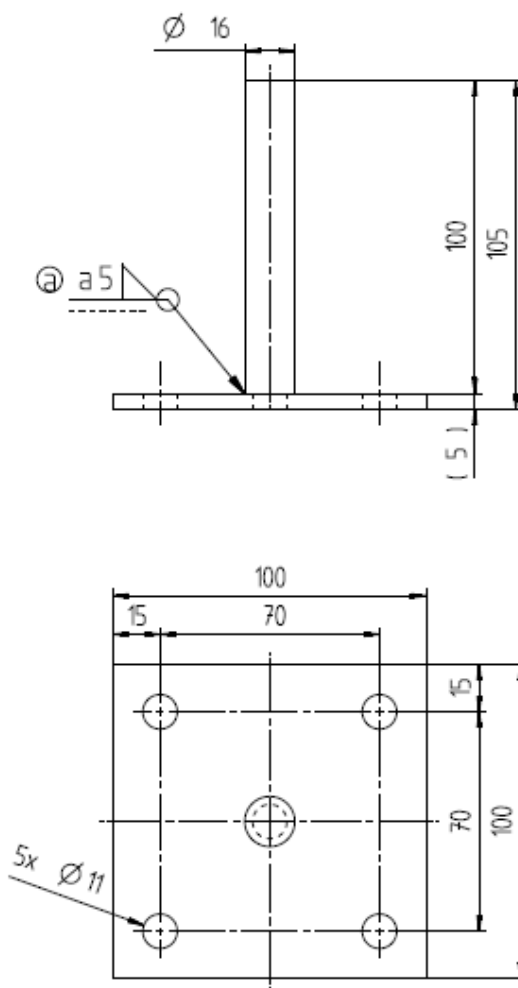




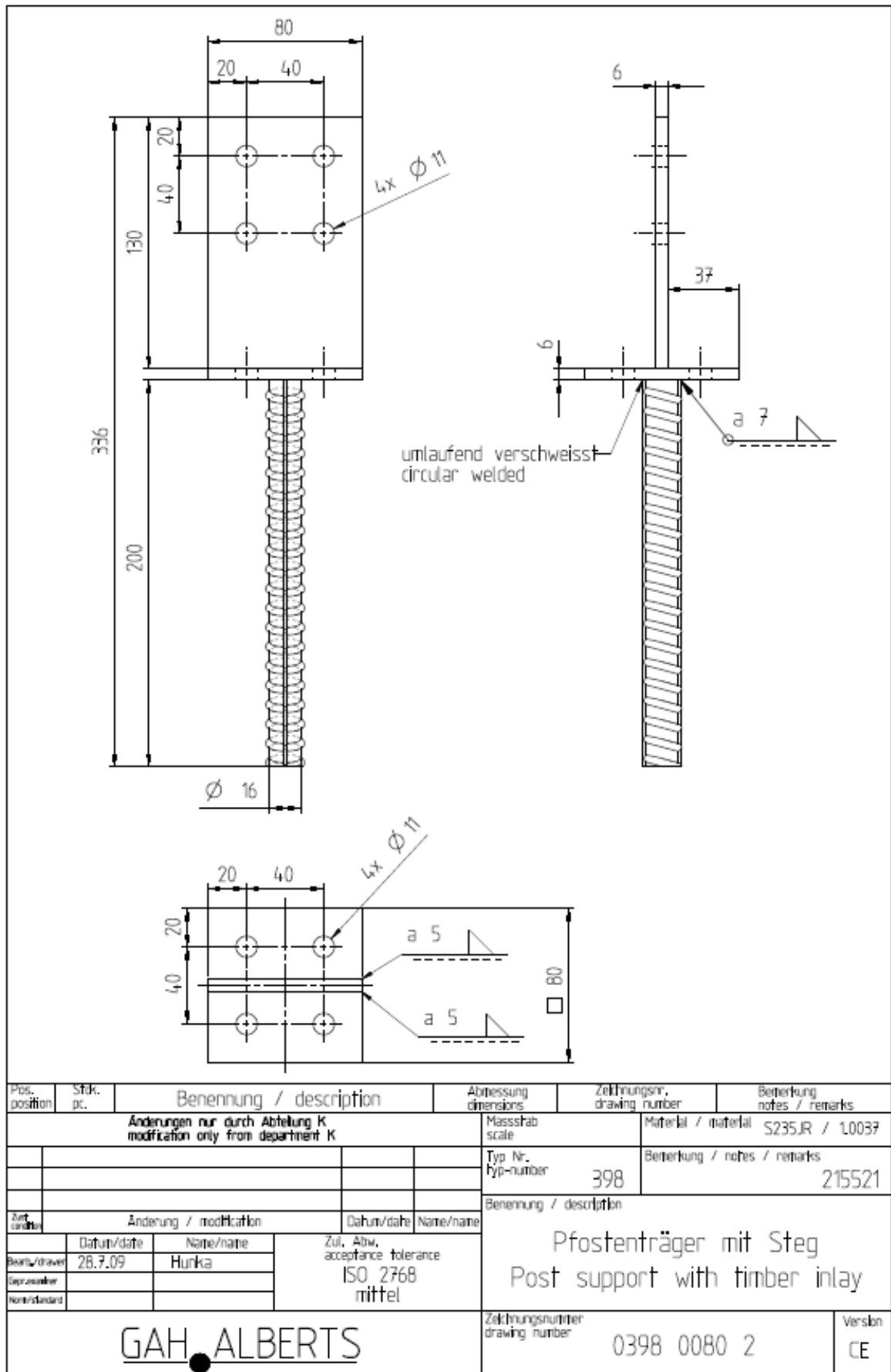


|                         |             |   |                               |   |
|-------------------------|-------------|---|-------------------------------|---|
| 4                       | 1           | Schwert<br>Sword  | 980204-86                     | SZ35.R / 1.0037                               |
| 3                       | 1           | Trägerplatte<br>Carrier plate   | 980204-85                     | SZ35.R / 1.0037                               |
| 2                       | 1           | Rohr<br>Pipe  | 980204-84                     | SZ35.R / 1.0037                               |
| 1                       | 1           | Grundplatte<br>Ground plate   | 980204-83                     | SZ35.R / 1.0037                               |
| Pos.<br>position        | Stk.<br>pc. | Benennung / description<br>Anderungen nur durch Abklärung K<br>modifications only from department K | Zeichnungs-<br>drawing number | Benennung / description<br>notes / remarks    |
|                         |             |   | 1.2                           | Material / material<br>S235JR/1.0037          |
|                         |             |   | Typ-Nr.<br>type-number        | Benennung / name / remarks<br>EAN Nr.: 212674 |
|                         |             |   | 4.01                          |   |
| Änderung / modification |             | Benennung / description   |                               |   |
| Datum/date              | Name/name   | Datum/date  | Name/name                     |   |
| 22.11.2011              | Fuhrmann    | Zul. Abw.<br>acceptance tolerance   | Pfostenträger 300             |   |
|                         |             |   | Post carrier 300              |   |
|                         |             |   | ISO 2768 mittel               |   |
| GAH ALBERTS             |             | Zeichnungsnummer<br>drawing number  |                               |   |
|                         |             | 0396 0300 2   |                               |   |
|                         |             | Version   |                               |   |

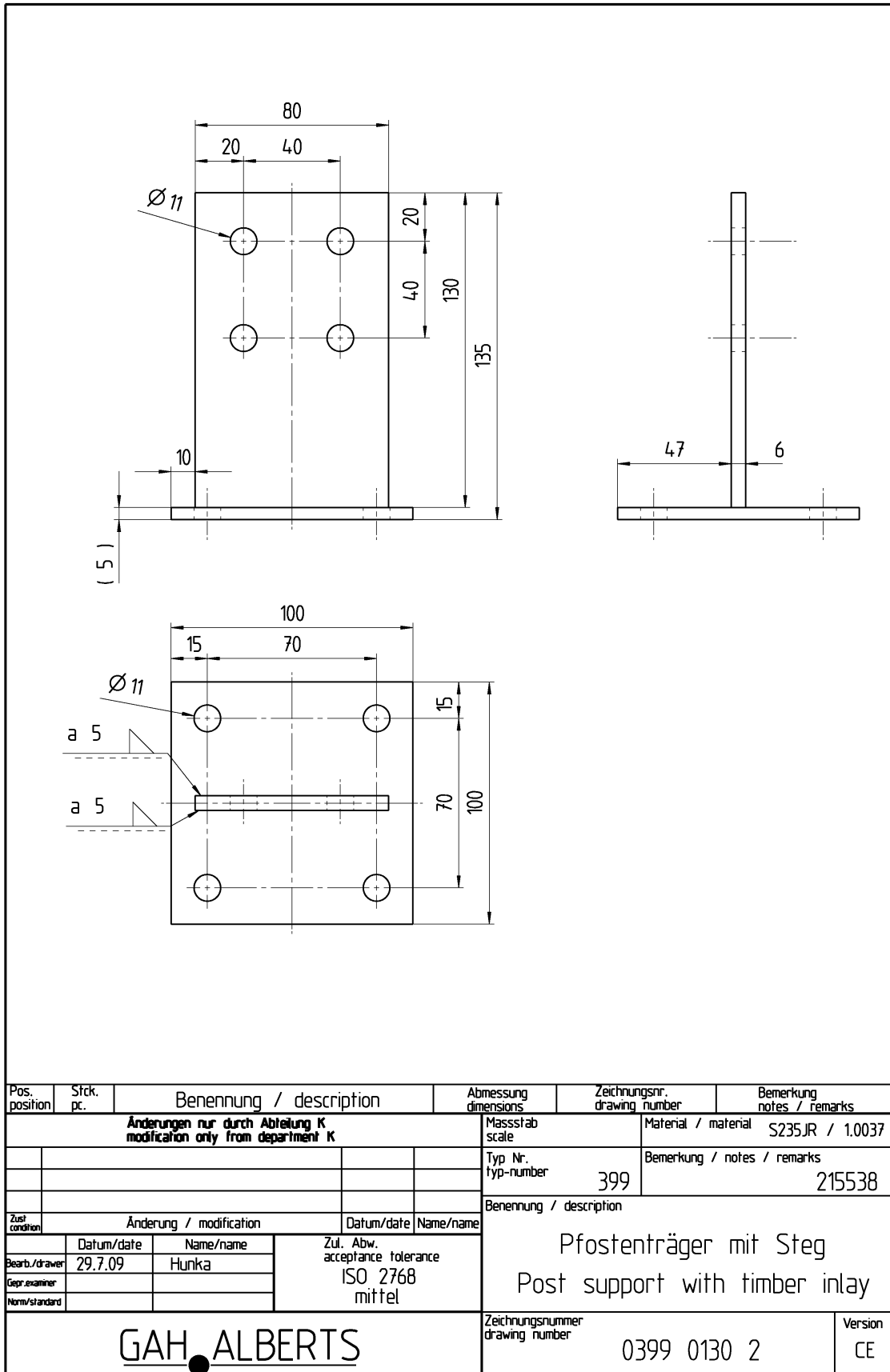




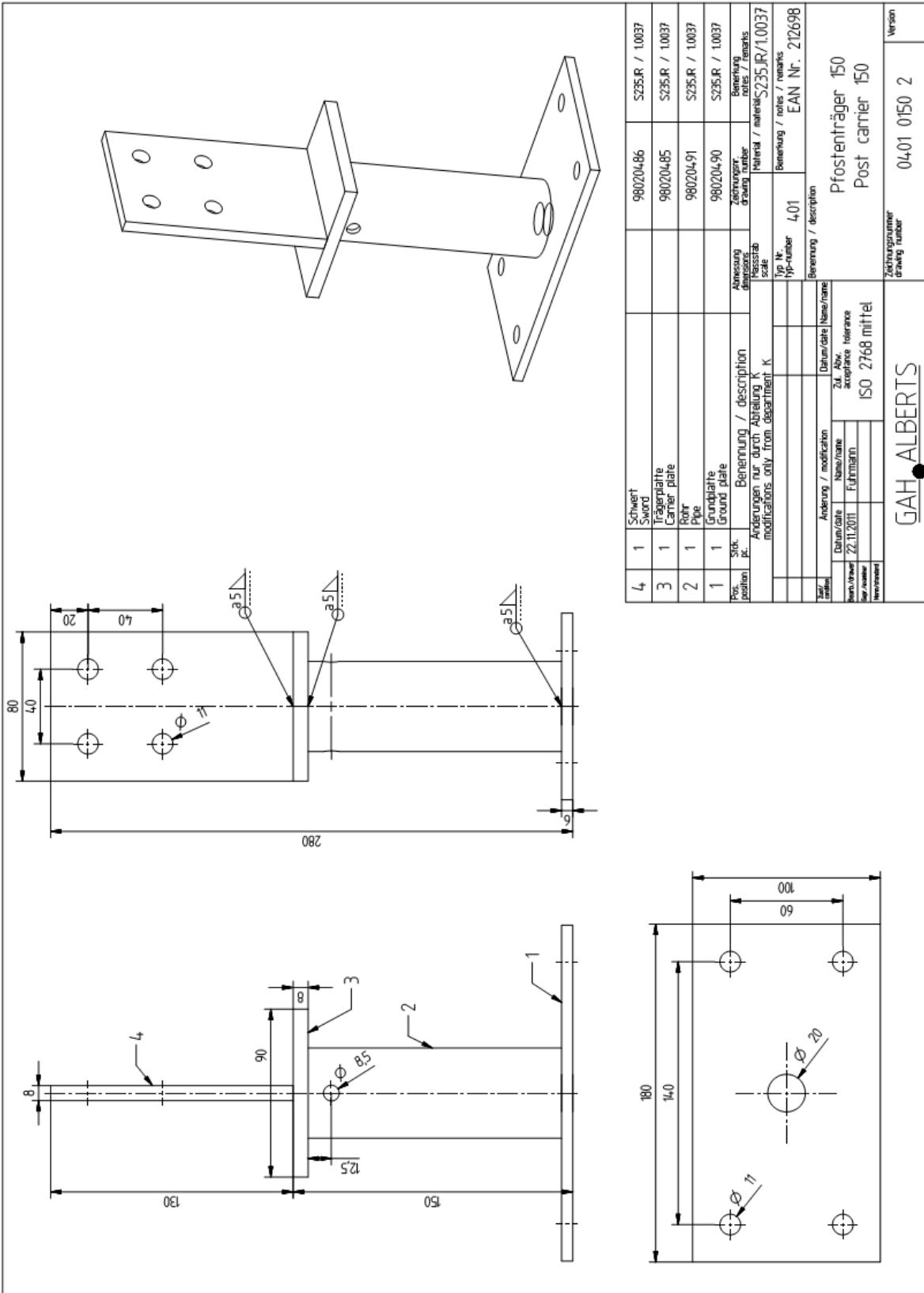
| Pos. position   | Stk. pc.                | Benennung / description         | Abmessung dimensions                                | Zeichnungsnr. drawing number       | Bemerkung notes / remarks                        |
|---|-------------------------|---------------------------------|---|------------------------------------|--|
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                                 | Maßstab<br>scale                                    | Material / material                | S235JR / 1.0037                                  |
|   |                         |                                 | Typ Nr.<br>typ-number                               | Bemerkung / notes / remarks        |  |
|   |                         |                                 | 397   | 215453                             |  |
| Ⓢ   |                         | Schweißnaht war a7 und jetzt a5 | 23.09.2014  | Bogdan                             | Benennung / description                          |
| Zust. condition   | Änderung / modification |                                 | Datum/date  | Name/name                          | Pfostenträger mit Stift<br>Post support with pin |
| Bearb./drawer   | Datum/date              | Name/name                       | Zu. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                    |  |
| Gepr. examiner  | 29.7.09                 | Hunka                           |   |                                    |  |
| Norm/standard   |                         |                                 |   |                                    |  |
| GAH ALBERTS   |                         |                                 |   | Zeichnungsnummer<br>drawing number | Version  |
|   |                         |                                 |   | 0397 0100 2                        | CE   |



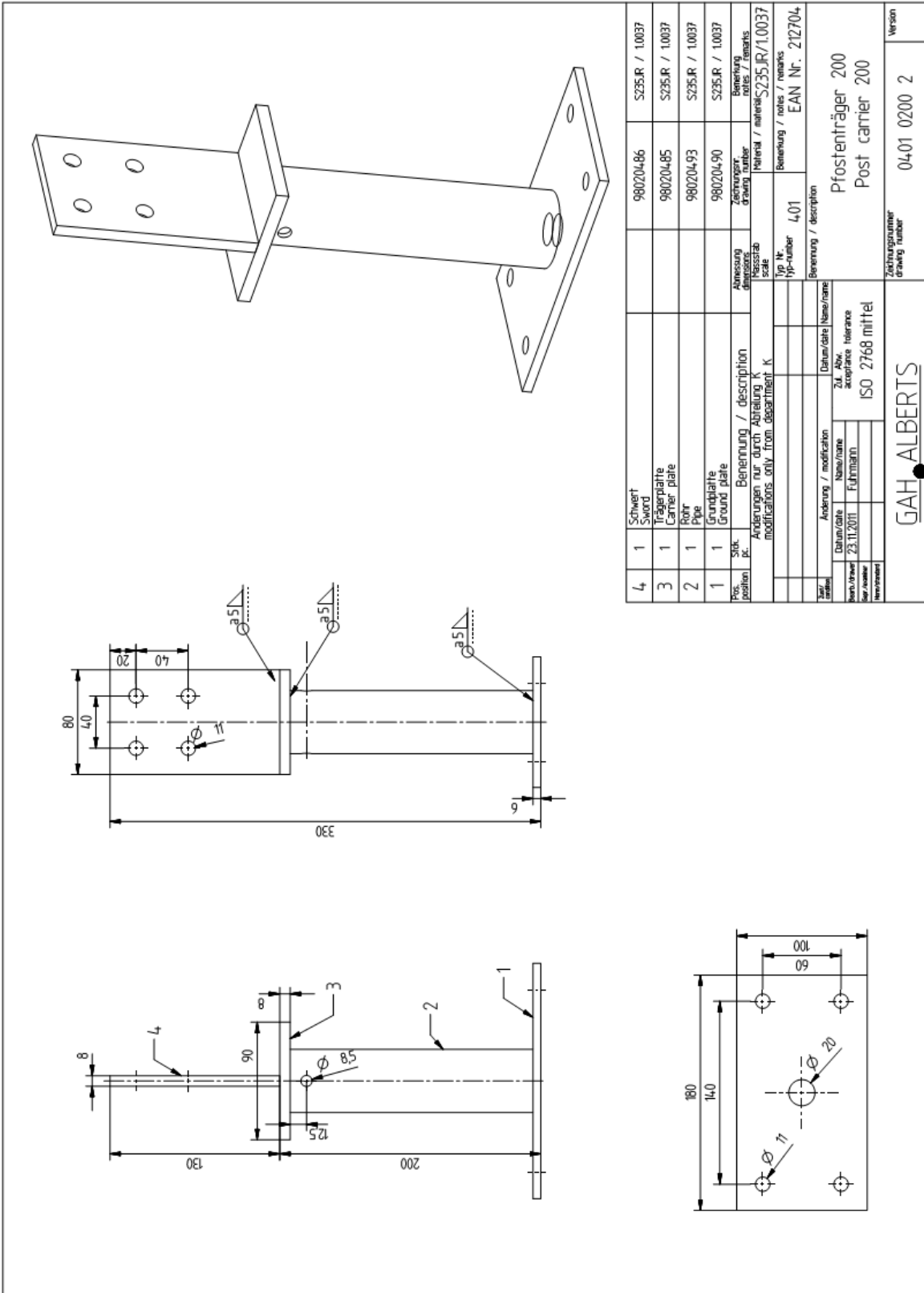
| Pos. position      | Stk. pc. | Benennung / description   | Abmessung dimensions                                    | Zeichnungsnr. drawing number                             | Bemerkung notes / remarks             |
|--------------------|----------|---|---|--|---------------------------------------|
|                    |          | Anderungen nur durch Abteilung K<br>modification only from department K | Massstab<br>scale                                       |  | Material / material S235JR / 1.0037   |
|                    |          |   | Typ Nr.<br>typ-number                                   | 398  | Bemerkung / notes / remarks<br>215521 |
| Zust. condition    |          | Anderung / modification   | Datum/date  | Name/name  | Benennung / description               |
| Bearb./drawn       | 28.7.09  | Hurka   | Zul. Abw.<br>acceptance tolerance<br>ISO 2768<br>mittel | Pfostenträger mit Steg<br>Post support with timber inlay |                                       |
| Gepr./checked      |          |   |   |  |                                       |
| Norm/standard      |          |   |   |  |                                       |
| <b>GAH ALBERTS</b> |          |   | Zeichnungsnummer<br>drawing number                      | 0398 0080 2  | Version<br>CE                         |



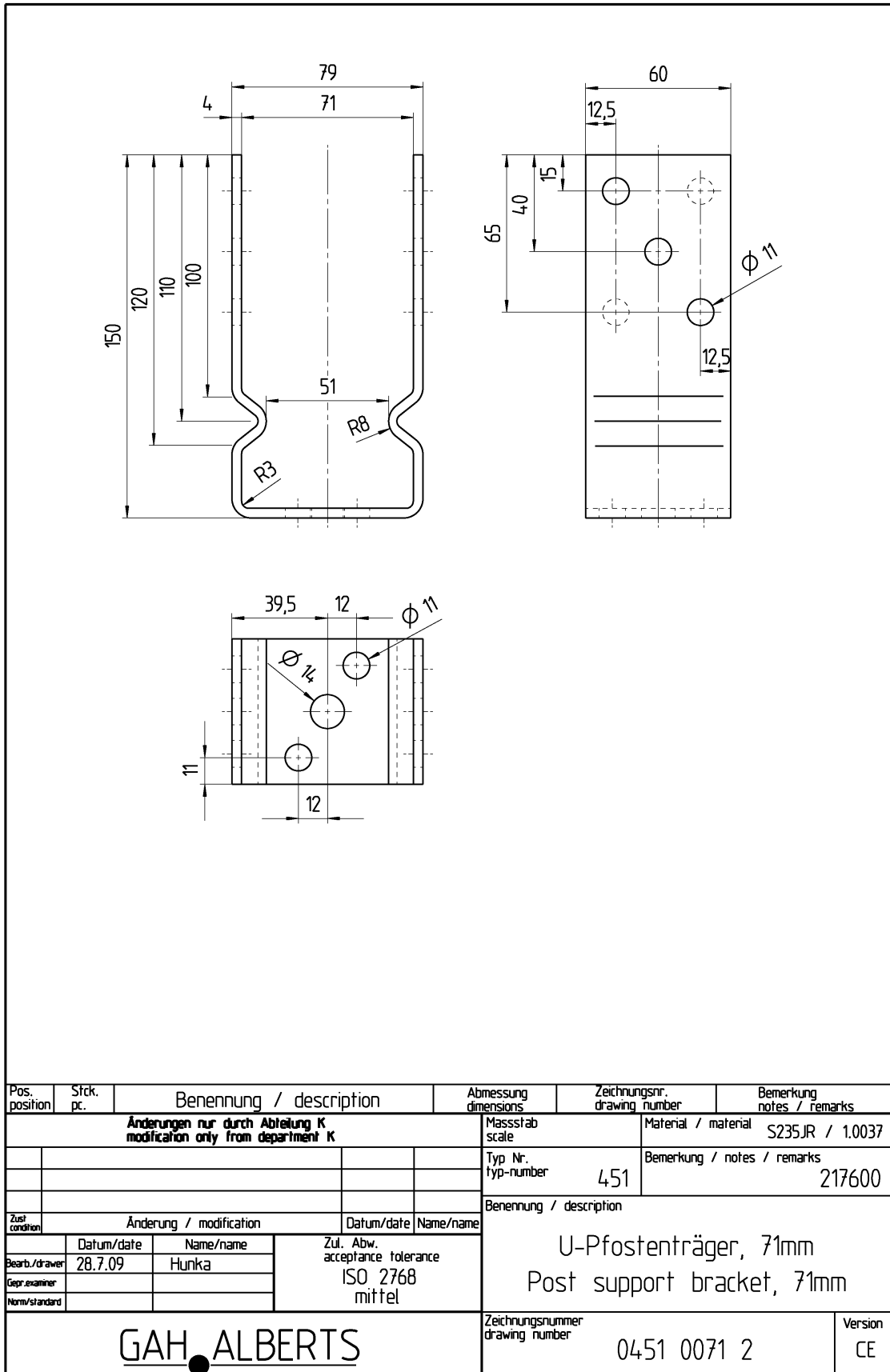
|   |                         |                         |  |  |                                     |                           |
|---|-------------------------|-------------------------|--|--|-------------------------------------|---------------------------|
| Pos. position   | Stck. pc.               | Benennung / description |  | Abmessung dimensions                                     | Zeichnungsnr. drawing number        | Bemerkung notes / remarks |
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                         |  | Massstab scale   | Material / material S235JR / 1.0037 |                           |
|   |                         |                         |  | Typ Nr. typ-number                                       | Bemerkung / notes / remarks         |                           |
|   |                         |                         |  | 399  | 215538                              |                           |
| Zust. condition   | Änderung / modification |                         | Datum/date   | Name/name  |                                     |                           |
| Bearb./drawer   | Datum/date              | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |  |                                     |                           |
| Gepr./examiner  | 29.7.09                 | Hunka                   |  |  |                                     |                           |
| Norm/standard   |                         |                         |  |  |                                     |                           |
| GAH ALBERTS   |                         |                         |  | Benennung / description                                  |                                     | Version                   |
|   |                         |                         |  | Pfostenträger mit Steg<br>Post support with timber inlay |                                     | 0399 0130 2               |
|   |                         |                         |  | Zeichnungsnummer drawing number                          |                                     |                           |



|  |   |                                 |           |                               |  |
|--|---|---------------------------------|-----------|-------------------------------|--|
| 4  | 1 | Schwert<br>Sword                | 980204-86 | SZ35.R / 1.0037               |  |
| 3  | 1 | Trägerplatte<br>Carrier plate   | 980204-85 | SZ35.R / 1.0037               |  |
| 2  | 1 | Bohr<br>Pier                    | 980204-91 | SZ35.R / 1.0037               |  |
| 1  | 1 | Grundplatte<br>Ground plate     | 980204-90 | SZ35.R / 1.0037               |  |
| Stk.<br>position   |   | Benennung / description         |           | Bezeichnung<br>drawing number |  |
| Anderungen nur durch Abteilung K<br>modifications only from department K |   | Abmessung<br>dimensions         |           | Material / materials          |  |
|  |   | Massstab<br>scale               |           | Benennung / notes / remarks   |  |
|  |   | Typ N.<br>type-number           |           | 980204-90                     |  |
|  |   | Benennung / description         |           | EAN Nr. 212698                |  |
| Anderung / modification  |   | Datum/date                      |           | Name/name                     |  |
| Zur Abw.<br>acceptance   |   | Zur Abw.<br>acceptance          |           | Toleranz<br>tolerance         |  |
| Datum/date   |   | Datum/date                      |           | Name/name                     |  |
| 27.11.2011   |   | 27.11.2011                      |           | Fuhrmann                      |  |
| ISO 2768 mittel  |   | ISO 2768 mittel                 |           | ISO 2768 mittel               |  |
| Zahnradnummer<br>drawing number  |   | Zahnradnummer<br>drawing number |           | Version                       |  |
| 0401 0150 2  |   | 0401 0150 2                     |           | Version                       |  |
| <b>GAH ALBERTS</b>   |   |                                 |           |                               |  |

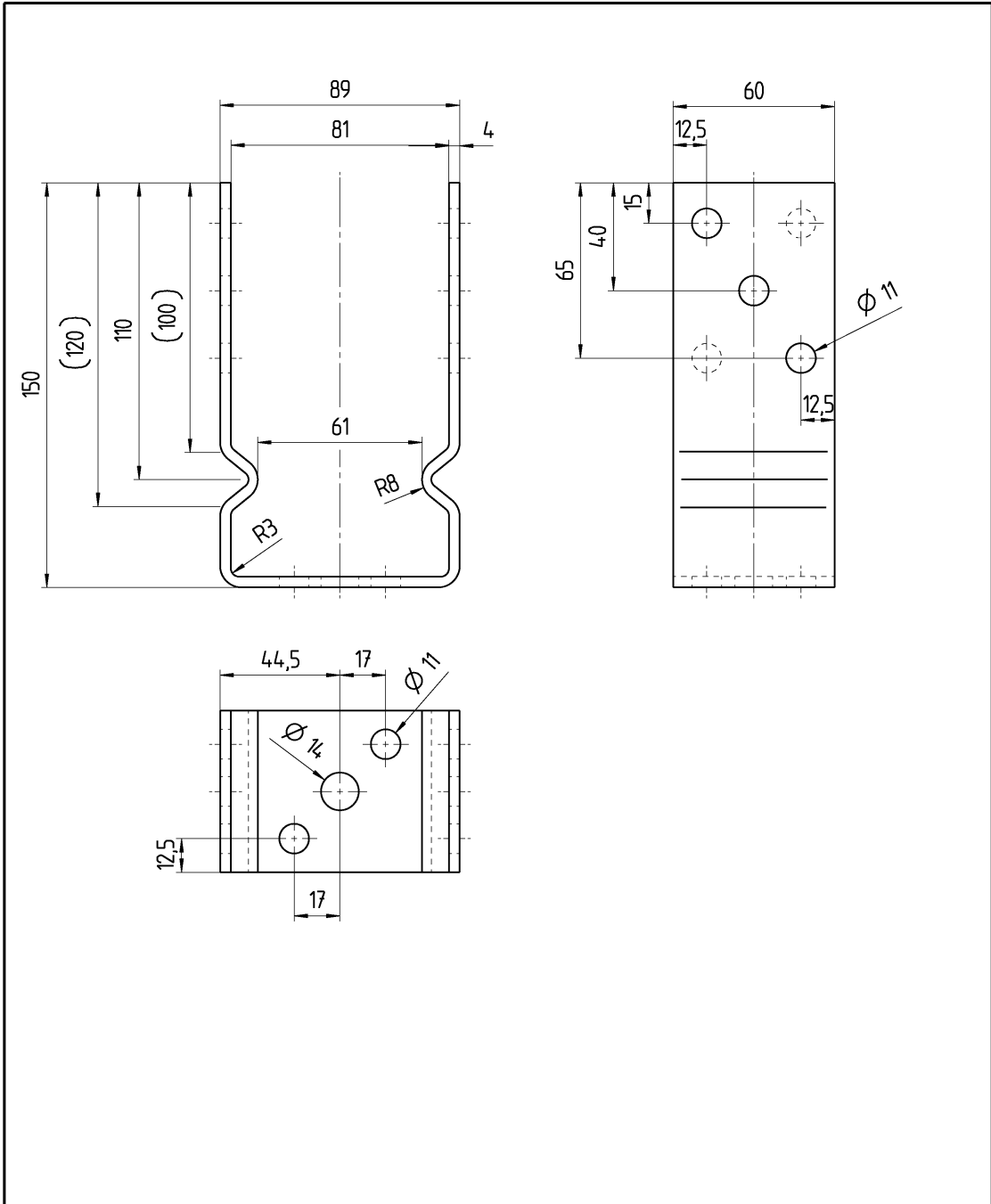


|                                    |                         |  |                                |   |
|------------------------------------|-------------------------|--|--------------------------------|---|
| 4                                  | 1                       | Schwert<br>Sword   | 98020486                       | SZ35.R / 10037                            |
| 3                                  | 1                       | Trägerplatte<br>Carrier plate  | 98020485                       | SZ35.R / 10037                            |
| 2                                  | 1                       | Rohr<br>Pipe   | 98020493                       | SZ35.R / 10037                            |
| 1                                  | 1                       | Grundplatte<br>Ground plate  | 98020490                       | SZ35.R / 10037                            |
| Pos.<br>position                   | Stk.<br>pc.             | Benennung / description<br>Benennung nur durch Abteilung K<br>modifications only from department K | Abmessung<br>dimension<br>size | Benennung<br>notes / remarks              |
|                                    |                         |  | Maßstab<br>scale               | Internat. / minireferenz<br>SZ35.R/1.0037 |
|                                    |                         |  | Typ-Nr.<br>type-number         | 4,01                                      |
|                                    |                         |  | Benennung / description        | EAN Nr. 212704                            |
| Teil<br>part                       | Änderung / modification |  | Datum/date                     |   |
|                                    | Name/name               |  | Zur Abw.<br>adaptation         |   |
|                                    | Führmann                |  | tolerance                      |   |
|                                    | 23.11.2011              |  | ISO 2768 mittel                |   |
| Benutzer<br>user                   | GAH ALBERTS             |  |                                |   |
| Zeichnungsnummer<br>drawing number | 04,01 0200 2            |  |                                | Version                                   |
|                                    |                         |  |                                | 2   |

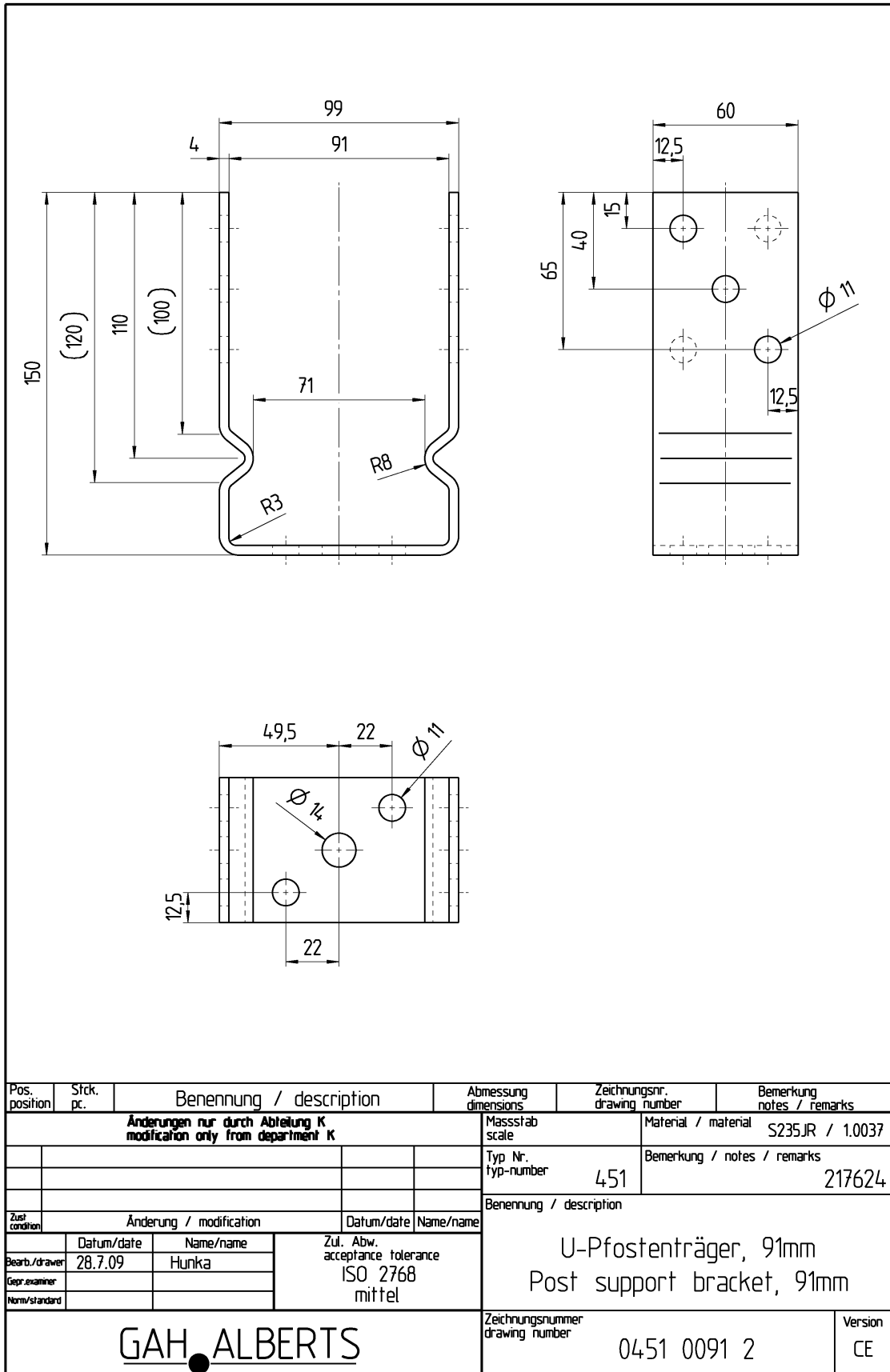


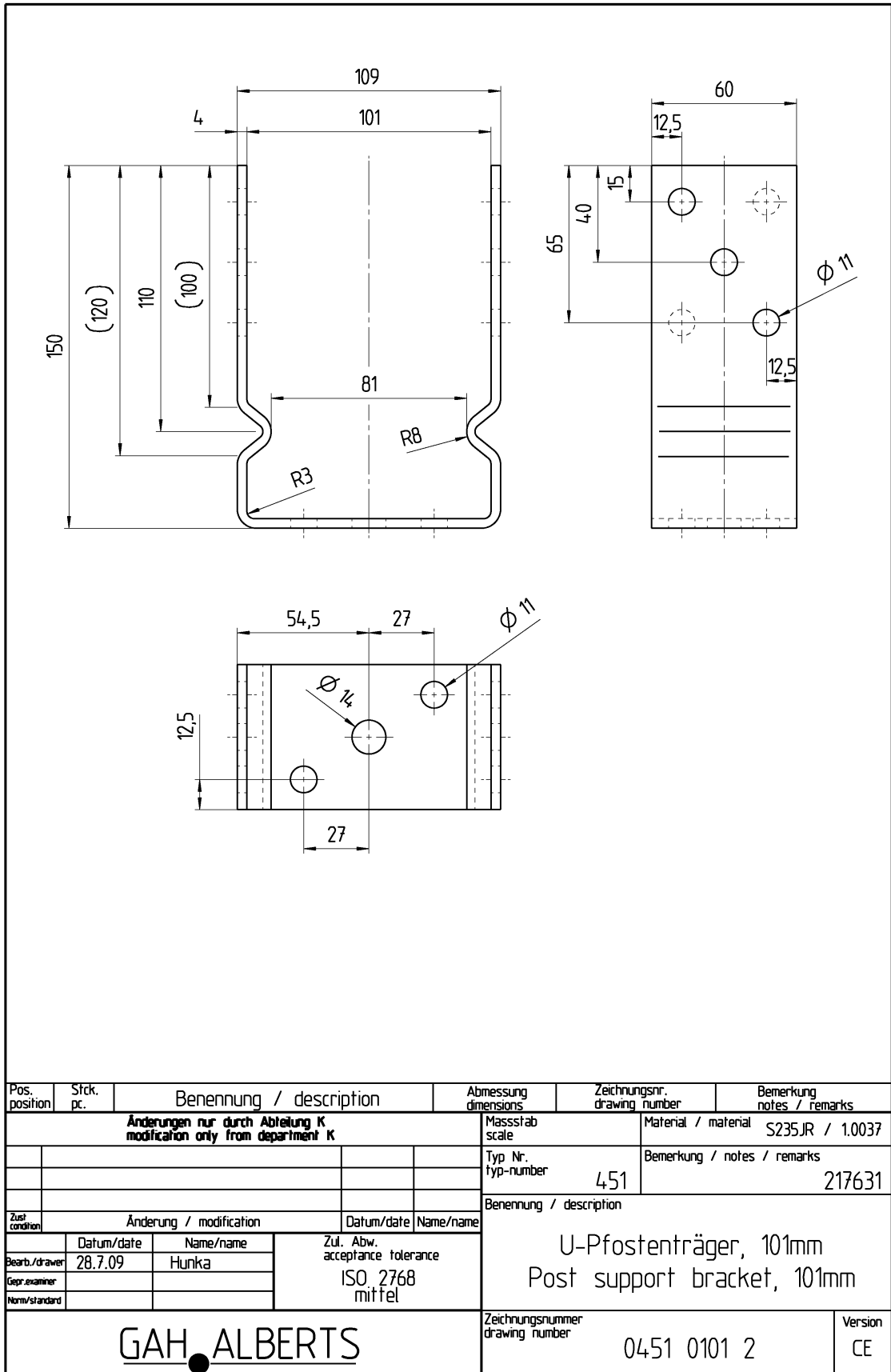
|   |                         |                         |  |                                 |                                     |                           |
|---|-------------------------|-------------------------|--|---------------------------------|-------------------------------------|---------------------------|
| Pos. position   | Stck. pc.               | Benennung / description |  | Abmessung dimensions            | Zeichnungsnr. drawing number        | Bemerkung notes / remarks |
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                         |  | Massstab scale                  | Material / material S235JR / 1.0037 |                           |
|   |                         |                         |  | Typ Nr. typ-number              | Bemerkung / notes / remarks         |                           |
|   |                         |                         |  | 451                             | 217600                              |                           |
| Zust. condition   | Änderung / modification |                         | Datum/date   | Benennung / description         |                                     |                           |
|   | Datum/date              | Name/name               | U-Pfostenträger, 71mm<br>Post support bracket, 71mm  |                                 |                                     |                           |
| Bearb./drawer   | 28.7.09                 | Hunka                   |  |                                 |                                     |                           |
| Gepr./examiner  |                         |                         |  |                                 |                                     |                           |
| Norm/standard   |                         |                         | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel | Zeichnungsnummer drawing number |                                     | Version                   |
| GAH ALBERTS   |                         |                         |  | 0451 0071 2                     |                                     | CE                        |

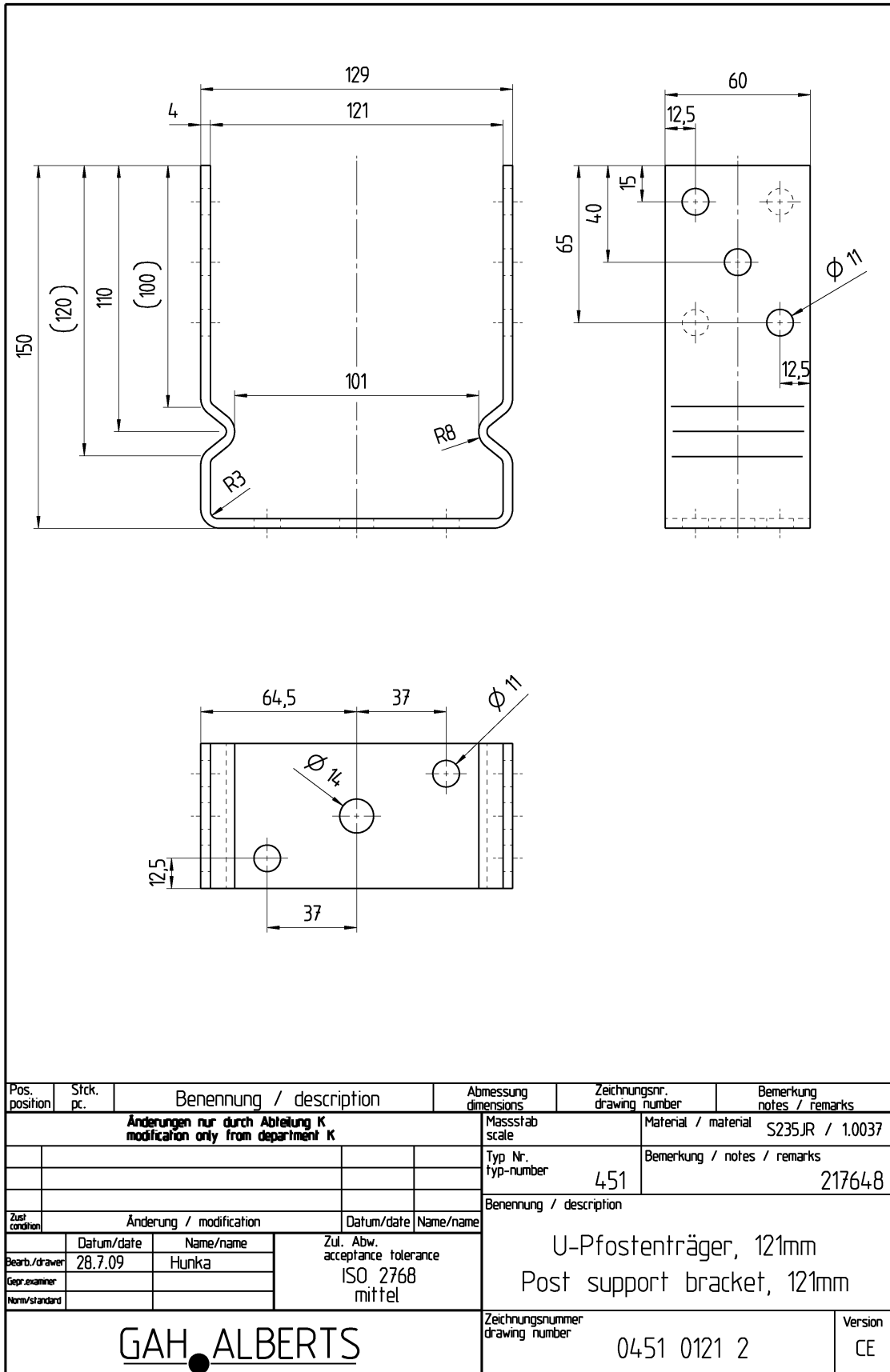


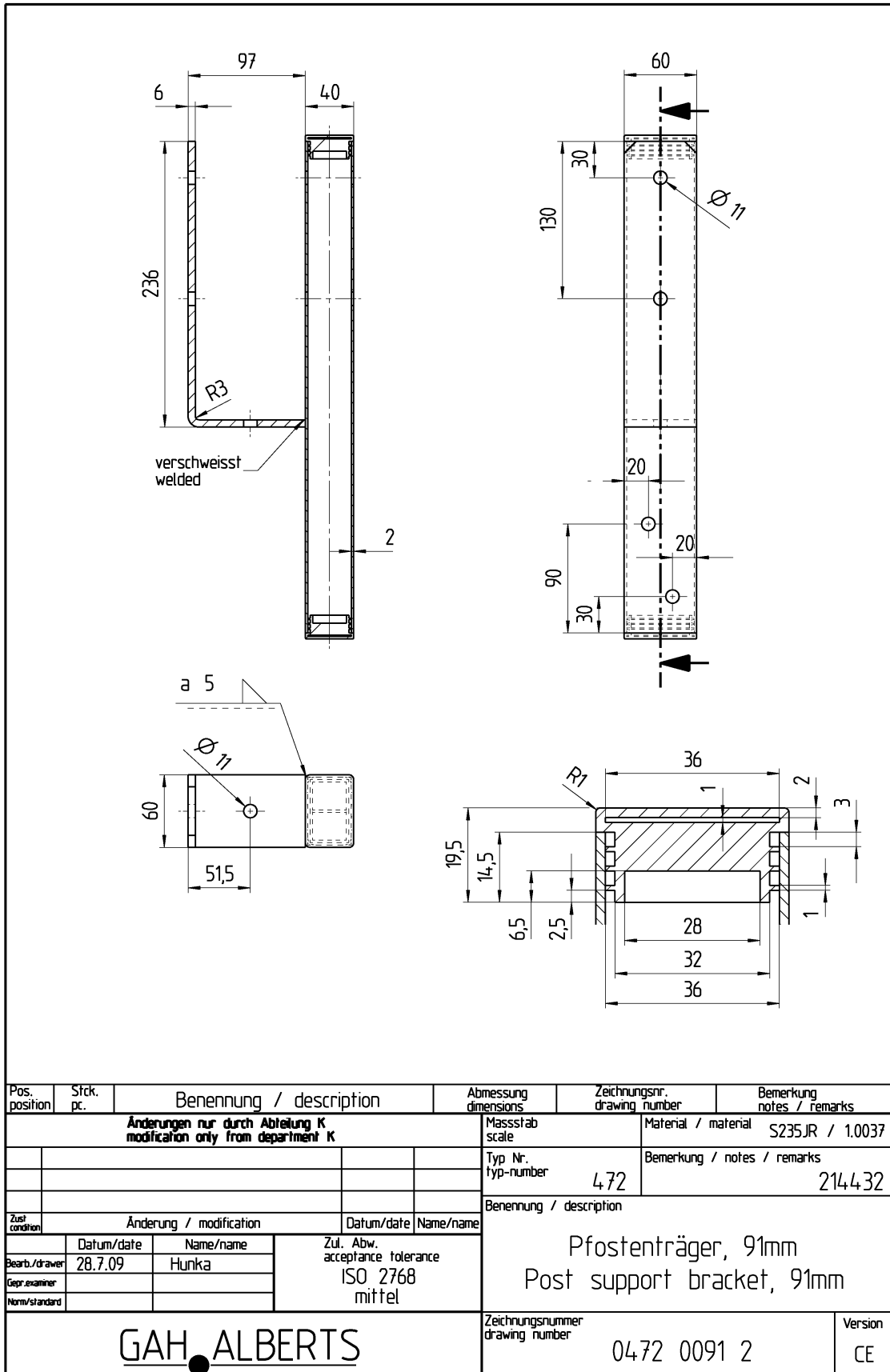


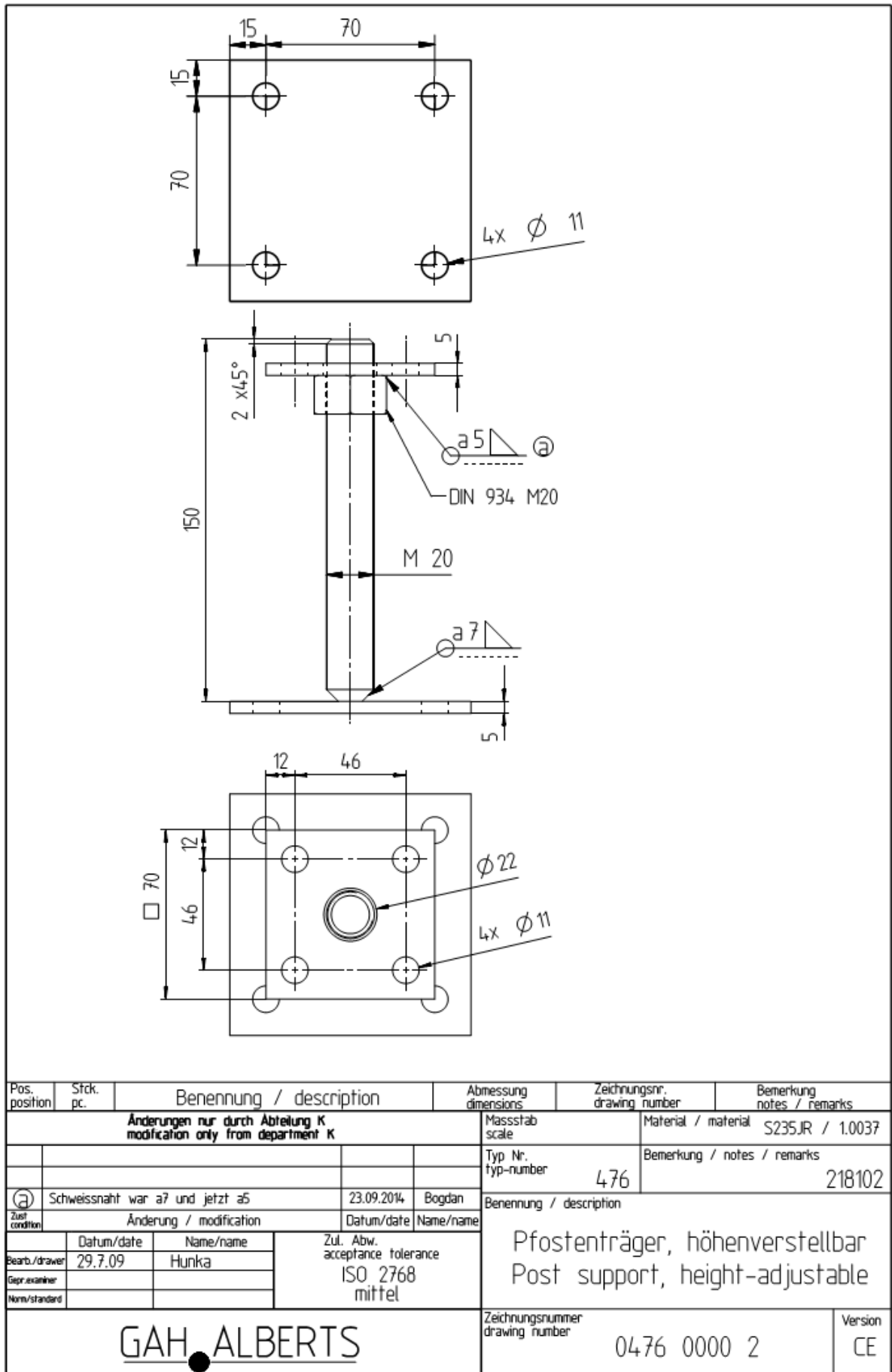
|   |                         |                         |  |                                 |                                     |                           |
|---|-------------------------|-------------------------|--|---------------------------------|-------------------------------------|---------------------------|
| Pos. position   | Stck. pc.               | Benennung / description |  | Abmessung dimensions            | Zeichnungsnr. drawing number        | Bemerkung notes / remarks |
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                         |  | Massstab scale                  | Material / material S235JR / 1.0037 |                           |
|   |                         |                         |  | Typ Nr. typ-number              | Bemerkung / notes / remarks         |                           |
|   |                         |                         |  | 451                             | 217617                              |                           |
| Zust. condition   | Änderung / modification |                         | Datum/date   | Name/name                       |                                     |                           |
| Bearb./drawer   | Datum/date              | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |                                     |                           |
| Gepr./examiner  | 28.7.09                 | Hunka                   |  |                                 |                                     |                           |
| Norm/standard   |                         |                         |  |                                 |                                     |                           |
| GAH ALBERTS   |                         |                         |  | Zeichnungsnummer drawing number | Version                             |                           |
|   |                         |                         |  | 0451 0081 2                     | CE                                  |                           |

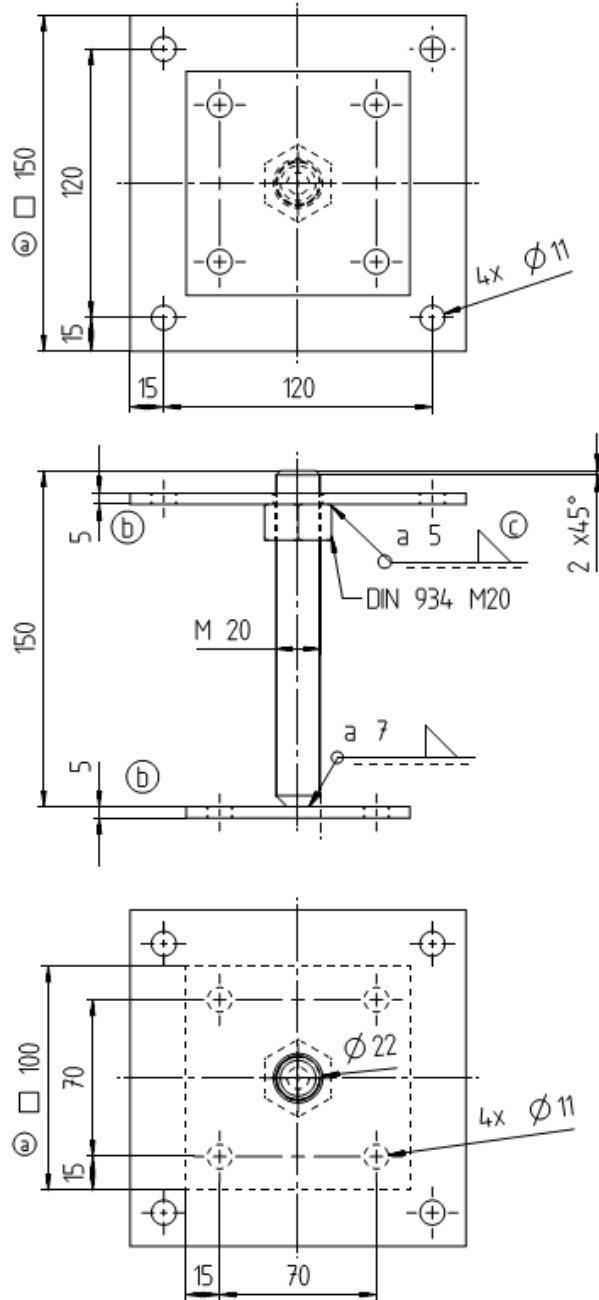






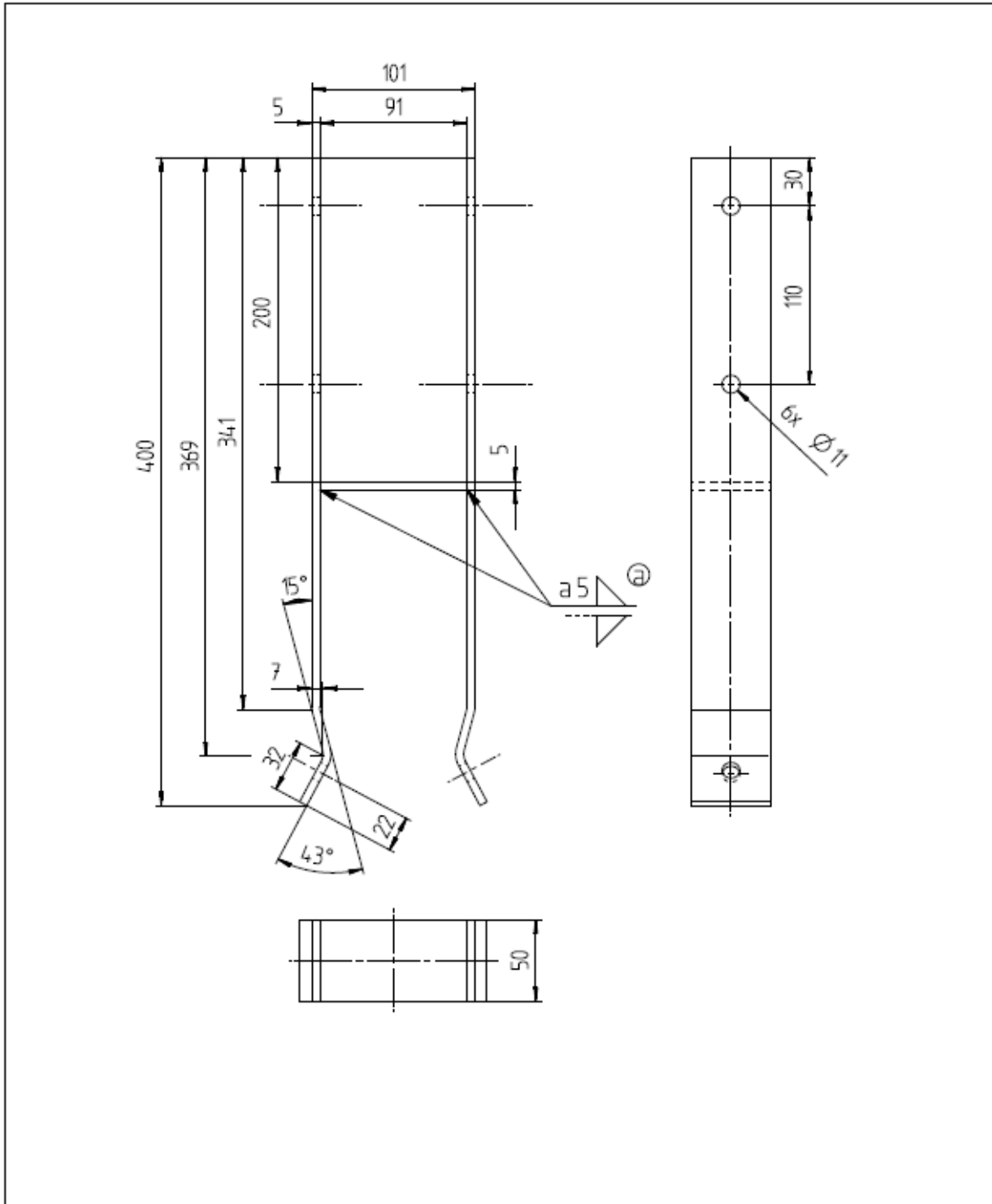






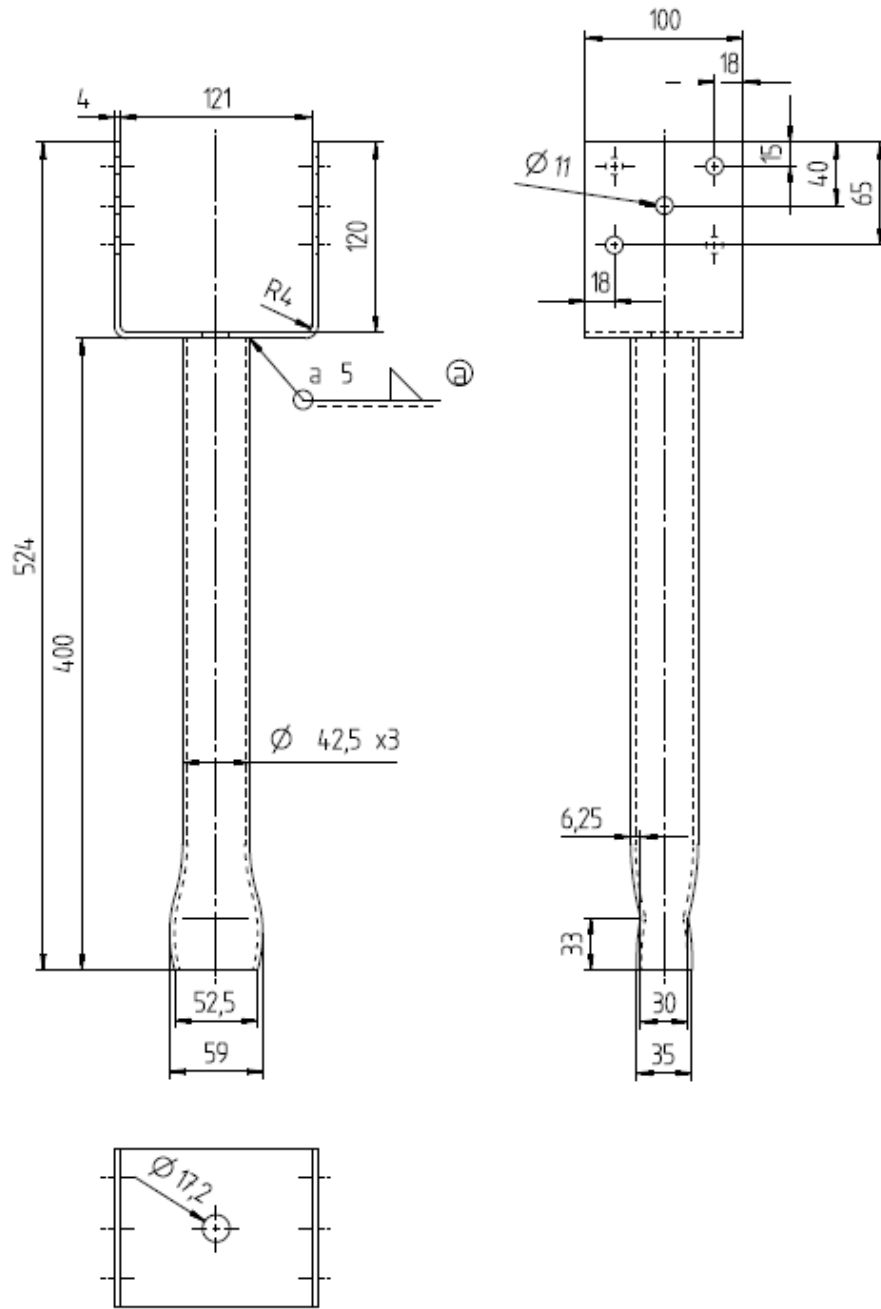
Ⓒ Schweißnaht war a7 und jetzt a5 23.09.2014 Bogdan

| Pos. position   | Stck. pc.               | Benennung / description           | Abmessung dimensions                                 | Zeichnungsnr. drawing number        | Bemerkung notes / remarks   |
|---|-------------------------|-----------------------------------|--|-------------------------------------|---|
| Änderungen nur durch Abteilung K<br>modification only from department K |                         |                                   | Massstab scale                                       | Material / material S235JR / 1.0037 |   |
| Ⓒ   |                         | 150mm Platte war unten jetzt oben | 05.05.2014   | Bogdan                              | Bemerkung / notes / remarks<br>218119   |
| Ⓒ   |                         | 100mm Platte war oben jetzt unten |  |                                     |   |
| Ⓐ   |                         | Mass war 150mm, Mass war 100      | 02.08.2013   | G.Hunka                             | Benennung / description<br>Pfostenträger, höhenverstellbar<br>Post support, height adjustable |
| Zust. condition   | Änderung / modification |                                   | Datum/date   | Name/name                           |   |
| Bearb./drawer   | Datum/date              | Name/name                         | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                     |   |
| Gepr. examiner  |                         |                                   |  |                                     |   |
| Norm/standard   |                         |                                   |  |                                     |   |
| GAH ALBERTS   |                         |                                   |  | Zeichnungsnummer drawing number     | 0476 0150 2   |
|   |                         |                                   |  | Version                             | CE  |

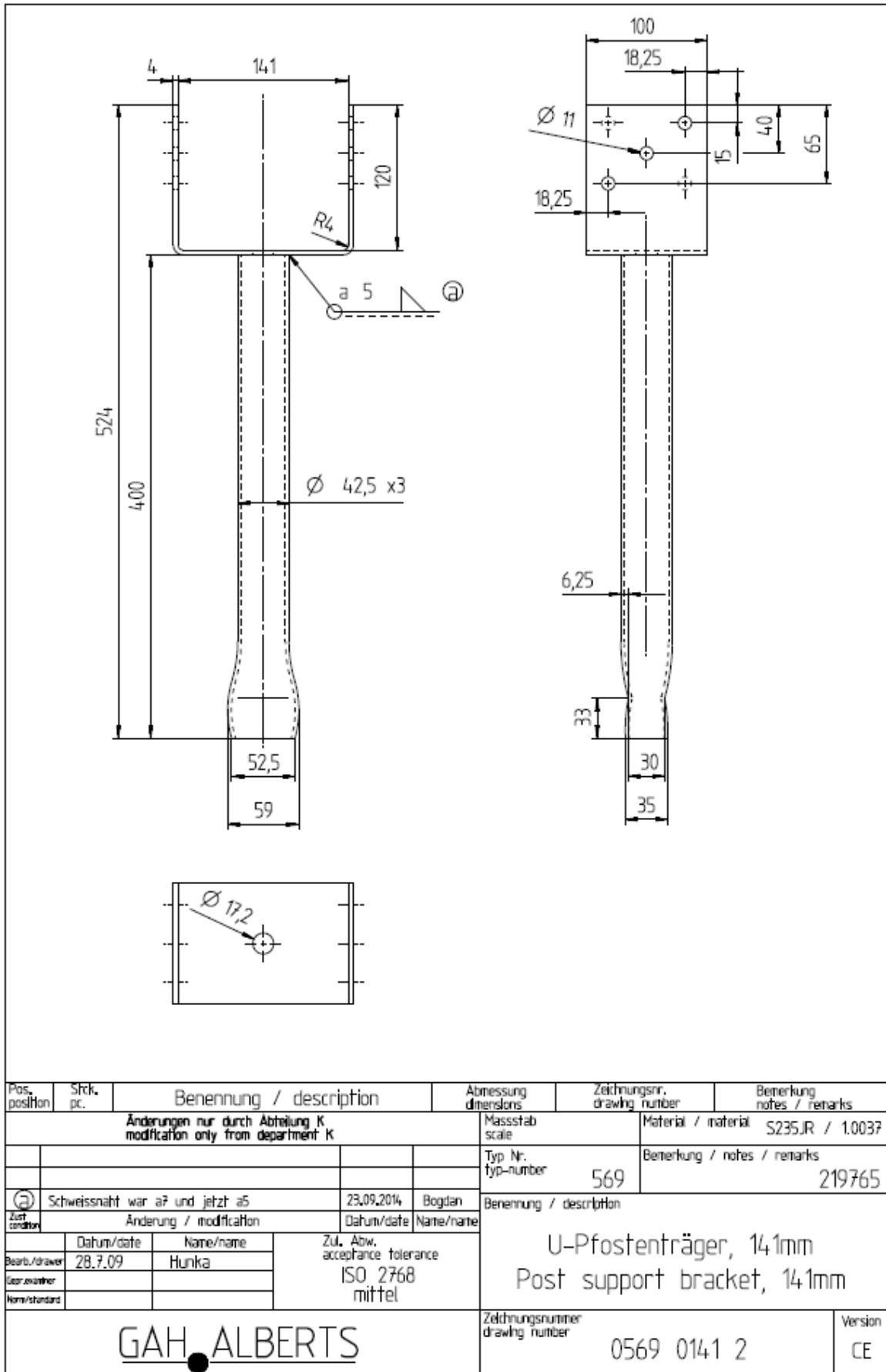


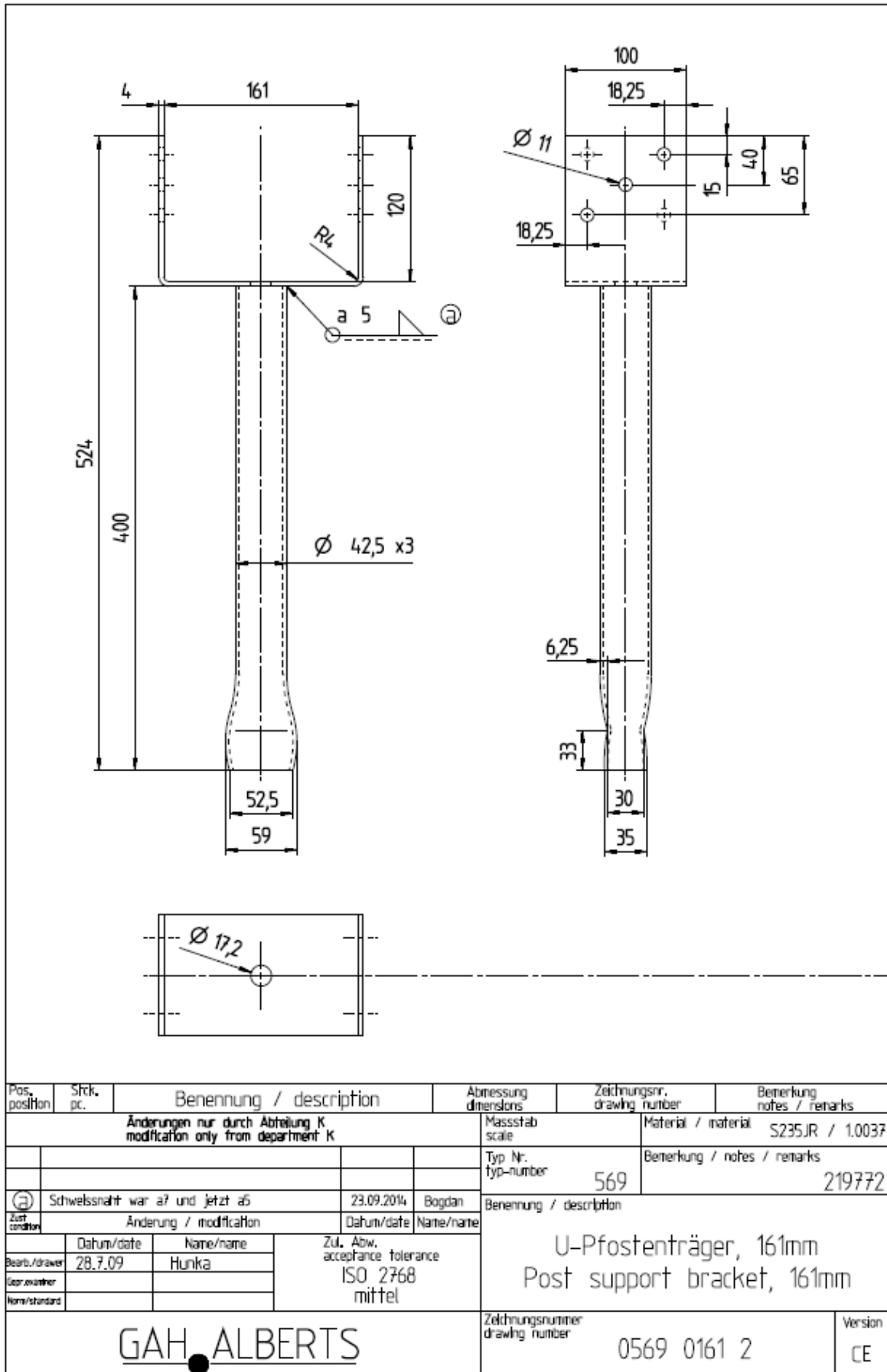
| Pos. position      | SFck. pc. | Benennung / description   |  | Abmessung dimensions                           | Zeichnungsnr. drawing number | Bemerkung notes / remarks                    |
|--------------------|-----------|---|--|--|------------------------------|--|
|                    |           | Änderungen nur durch Abteilung K<br>modification only from department K |  | Massstab scale                                 |                              | Material / material S235JR / 1.0037          |
|                    |           |   |  | Typ Nr. typ-number                             | 566                          | Bemerkung / notes / remarks 219703           |
| Ⓢ                  |           | Schweissnaht war a7 und jetzt a5  |  | 23.09.20%                                      | Bogdan                       |  |
| Zust. condition    |           | Änderung / modification   |  | Datum/date                                     | Name/name                    | Benennung / description                      |
| Bearb./drawer      | 29.7.09   | Name/name Hunka   |  | Zul. Abw. acceptance tolerance ISO 2768 mittel |                              | Pfostenträger, leicht<br>Post support, light |
| Gepr. examiner     |           |   |  |  |                              |  |
| Norm/standard      |           |   |  |  |                              |  |
| <b>GAH ALBERTS</b> |           |   |  | Zeichnungsnummer drawing number                | 0566 0091 2                  | Version CE                                   |

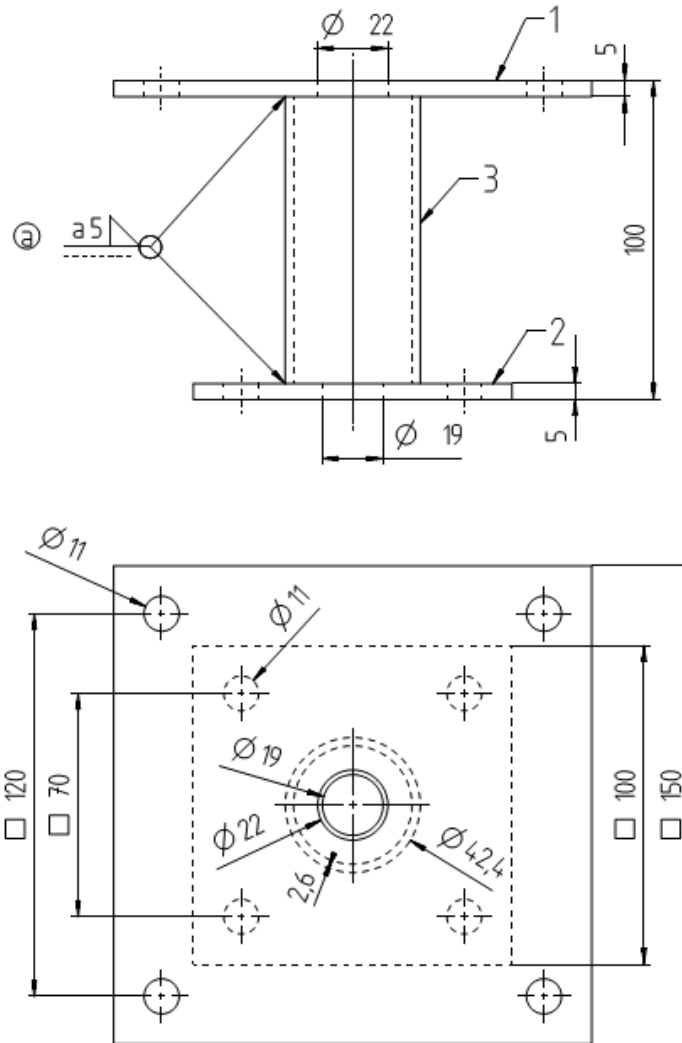




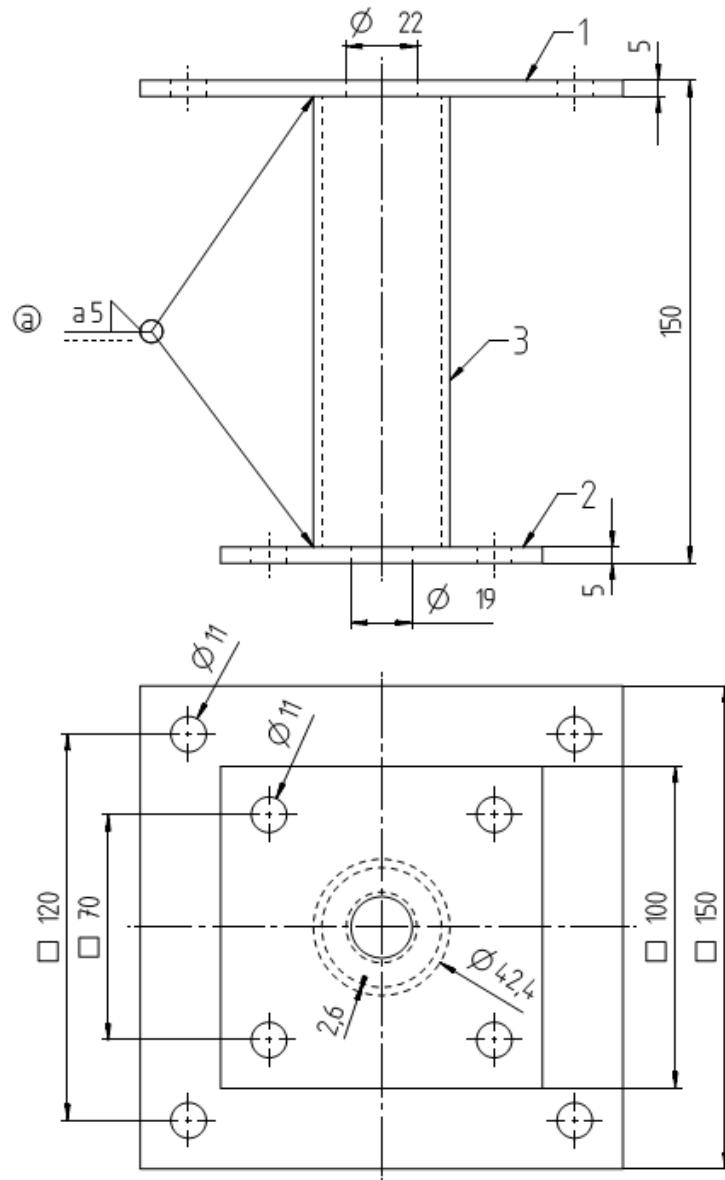
| Pos. position   | Stck. pc.                        | Benennung / description |                                | Abmessung dimensions | Zeichnungsnr. drawing number                          | Bemerkung notes / remarks |
|---|----------------------------------|-------------------------|--------------------------------|----------------------|---|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                  |                         |                                | Massstab scale       | Material / material                                   | S235JR / 1.0037           |
|   |                                  |                         |                                | Typ Nr. typ-number   | Bemerkung / notes / remarks                           |                           |
|   |                                  |                         |                                |                      | 569   | 219758                    |
| Ⓐ   | Schweissnaht war a7 und jetzt a6 |                         | 23.09.2014                     | Bogdan               | Benennung / description                               |                           |
| Zust condition  | Änderung / modification          |                         | Datum/date                     | Name/name            | U-Pfostenträger, 121mm<br>Post support bracket, 121mm |                           |
| Bearb./drawer   | Datum/date                       | Name/name               | Zul. Abw. acceptance tolerance |                      | Zeichnungsnummer drawing number                       |                           |
| Gez. engineer   | 31.7.09                          | Hunka                   | ISO 2768 mittel                |                      |   |                           |
| Norm/standard   |                                  |                         |                                |                      |   |                           |
| GAH ALBERTS   |                                  |                         |                                | 0569 0121 2          |   | Version CE                |



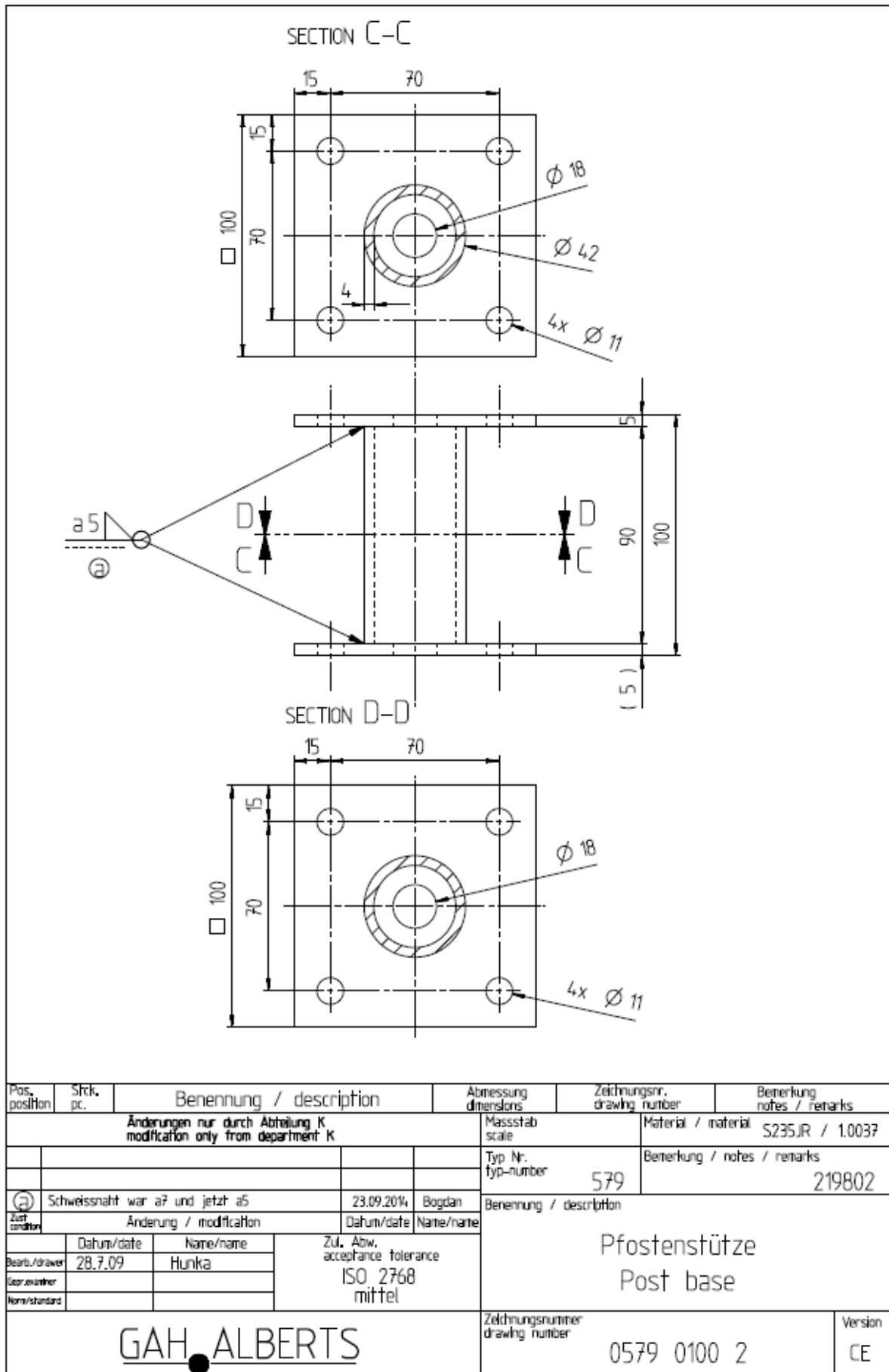


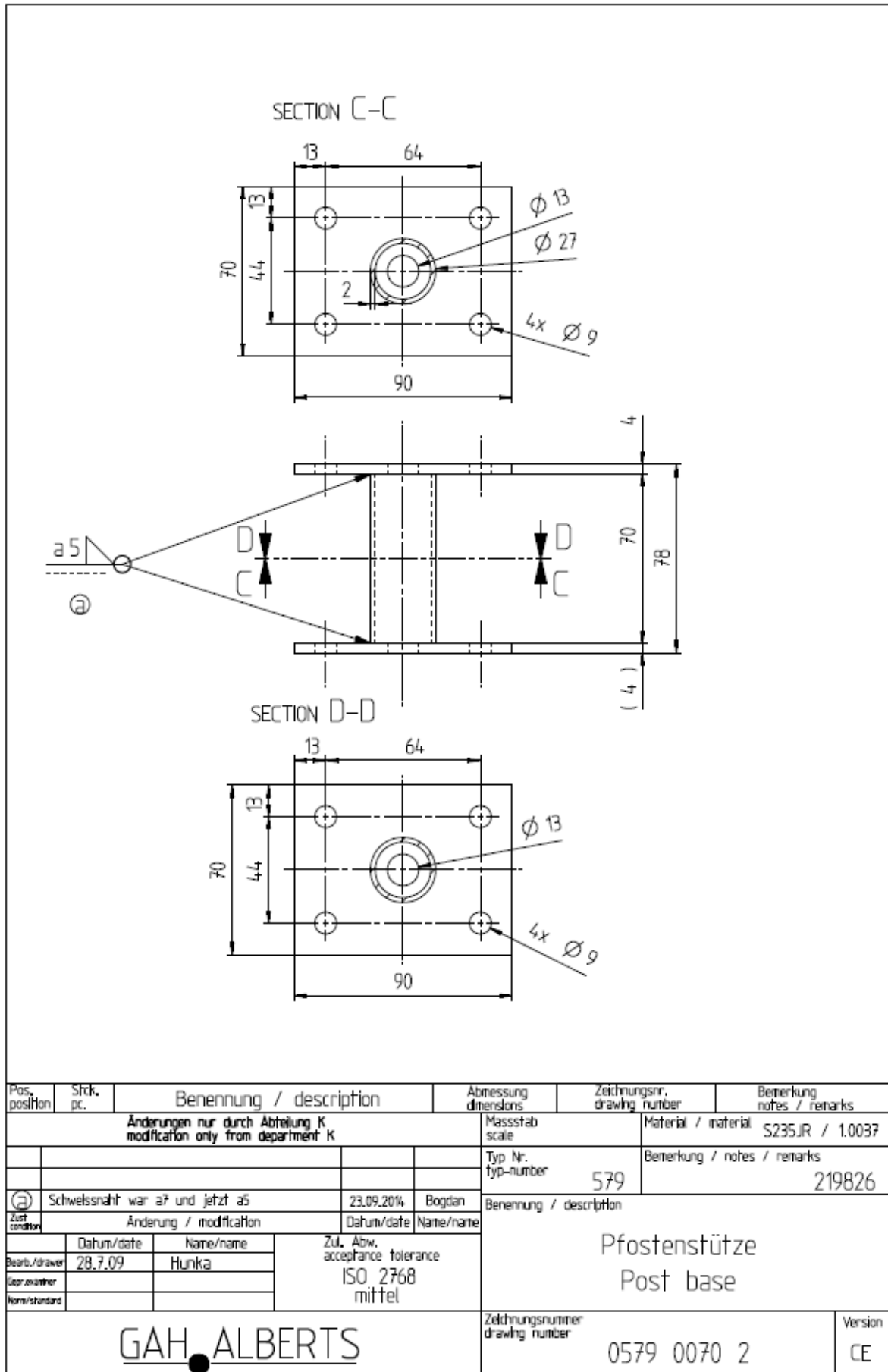


|   |                                  |                             |   |                                    |                                     |                              |
|---|----------------------------------|-----------------------------|---|------------------------------------|-------------------------------------|------------------------------|
| 3   | 1                                | Rohr<br>Tube                |   | 98007652                           | S235JR / 1.0037                     |                              |
| 2   | 1                                | Platte klein<br>Plate small |   | 98002025                           | S235JR / 1.0037                     |                              |
| 1   | 1                                | Platte gross<br>Plate big   |   | 98002023                           | S235JR / 1.0037                     |                              |
| Pos.<br>position  | Stck.<br>pc.                     | Benennung / description     |   | Abmessung<br>dimensions            | Zeichnungsnr.<br>drawing number     | Bemerkung<br>notes / remarks |
| Änderungen nur durch Abteilung K<br>modification only from department K |                                  |                             |   | Massstab<br>scale                  | Material / material S235JR / 1.0037 |                              |
|   |                                  |                             |   | Typ Nr.<br>typ-number              | Bemerkung / notes / remarks         |                              |
|   |                                  |                             |   | 577                                | 219819                              |                              |
| (a)   | Schweissnaht war a7 und jetzt a5 |                             | 23.09.2014  | Bogdan                             | Benennung / description             |                              |
| Zust.<br>condition  | Änderung / modification          |                             | Datum/date  | Name/name                          |                                     |                              |
| Bearb./drawer   | Datum/date                       | Name/name                   | Zul. Abw.<br>acceptance tolerance<br>ISO 2768<br>mittel |                                    |                                     |                              |
| Gepr.examiner   |                                  |                             |   |                                    |                                     |                              |
| Norm/standard   |                                  |                             |   |                                    |                                     |                              |
| GAH ALBERTS   |                                  |                             |   | Zeichnungsnummer<br>drawing number | 0577 0100 2                         | Version<br>CE                |



|   |                                  |                             |                                   |                                    |                                 |                              |
|---|----------------------------------|-----------------------------|-----------------------------------|------------------------------------|---------------------------------|------------------------------|
| 3   | 1                                | Rohr<br>Tube                |                                   | 98002027                           | S235JR / 1.0037                 |                              |
| 2   | 1                                | Platte klein<br>Plate small |                                   | 98002025                           | S235JR / 1.0037                 |                              |
| 1   | 1                                | Platte gross<br>Plate big   |                                   | 98002023                           | S235JR / 1.0037                 |                              |
| Pos.<br>position  | Stck.<br>pc.                     | Benennung / description     |                                   | Abmessung<br>dimensions            | Zeichnungsnr.<br>drawing number | Bemerkung<br>notes / remarks |
| Änderungen nur durch Abteilung K<br>modification only from department K |                                  |                             |                                   | Massstab<br>scale                  | Material / material             | S235JR / 1.0037              |
|   |                                  |                             |                                   | Typ Nr.<br>typ-number              | Bemerkung / notes / remarks     |                              |
|   |                                  |                             |                                   | 577                                | 210823                          |                              |
| (a)   | Schweissnaht war a7 und jetzt a5 |                             | 23.09.2014                        | Bogdan                             | Benennung / description         |                              |
| Zust.<br>condition  | Änderung / modification          |                             | Datum/date                        | Name/name                          | Pfostenträger<br>Post support   |                              |
| Bearb./drawer   | Datum/date                       | Name/name                   | Zul. Abw.<br>acceptance tolerance |                                    |                                 |                              |
| Gepr.examiner   | 5.8.09                           | Hunka                       | ISO 2768<br>mittel                |                                    |                                 |                              |
| Norm/standard   |                                  |                             |                                   |                                    |                                 |                              |
| GAH ALBERTS   |                                  |                             |                                   | Zeichnungsnummer<br>drawing number | 0577 0150 2                     | Version<br>CE                |

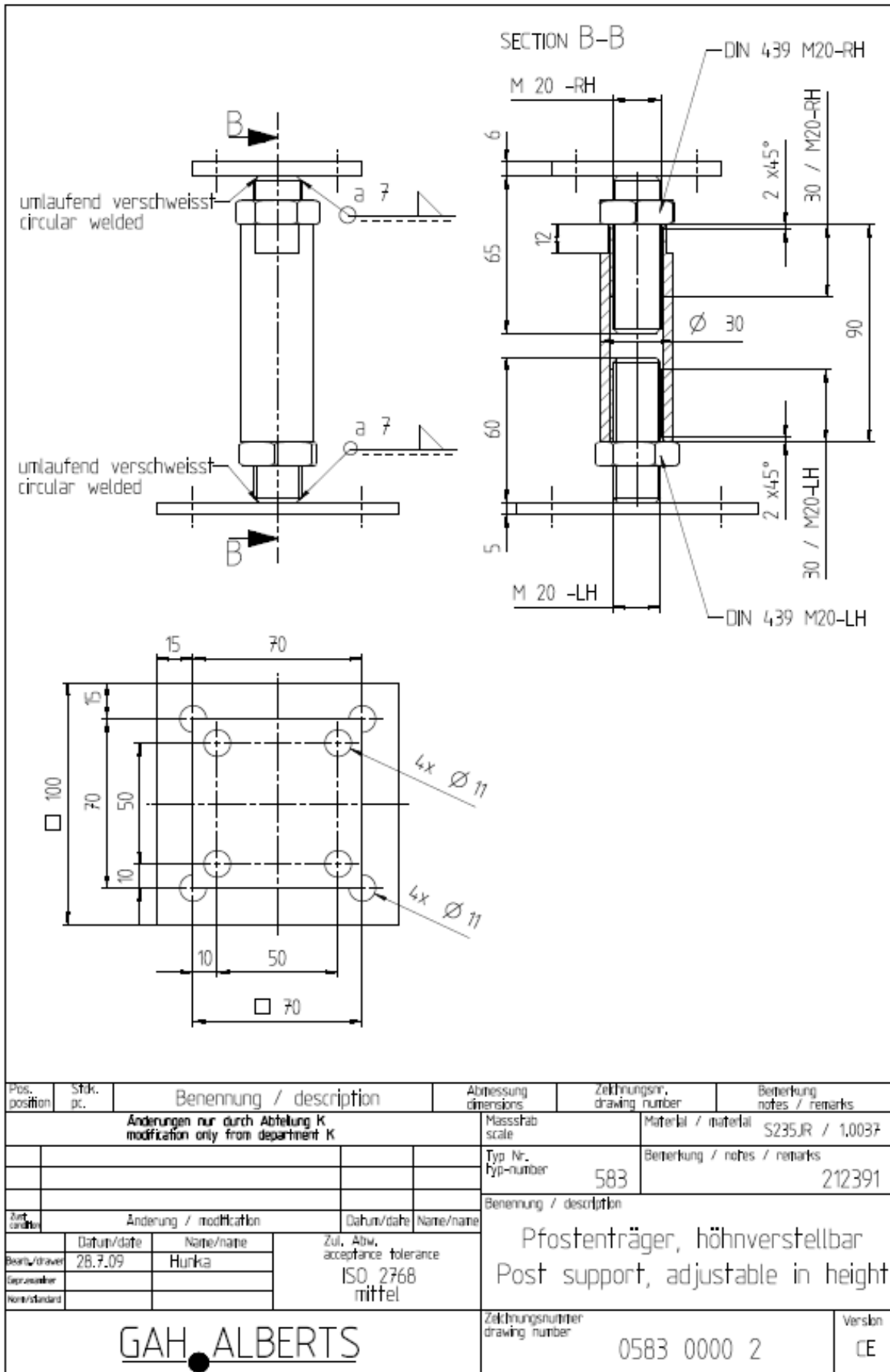


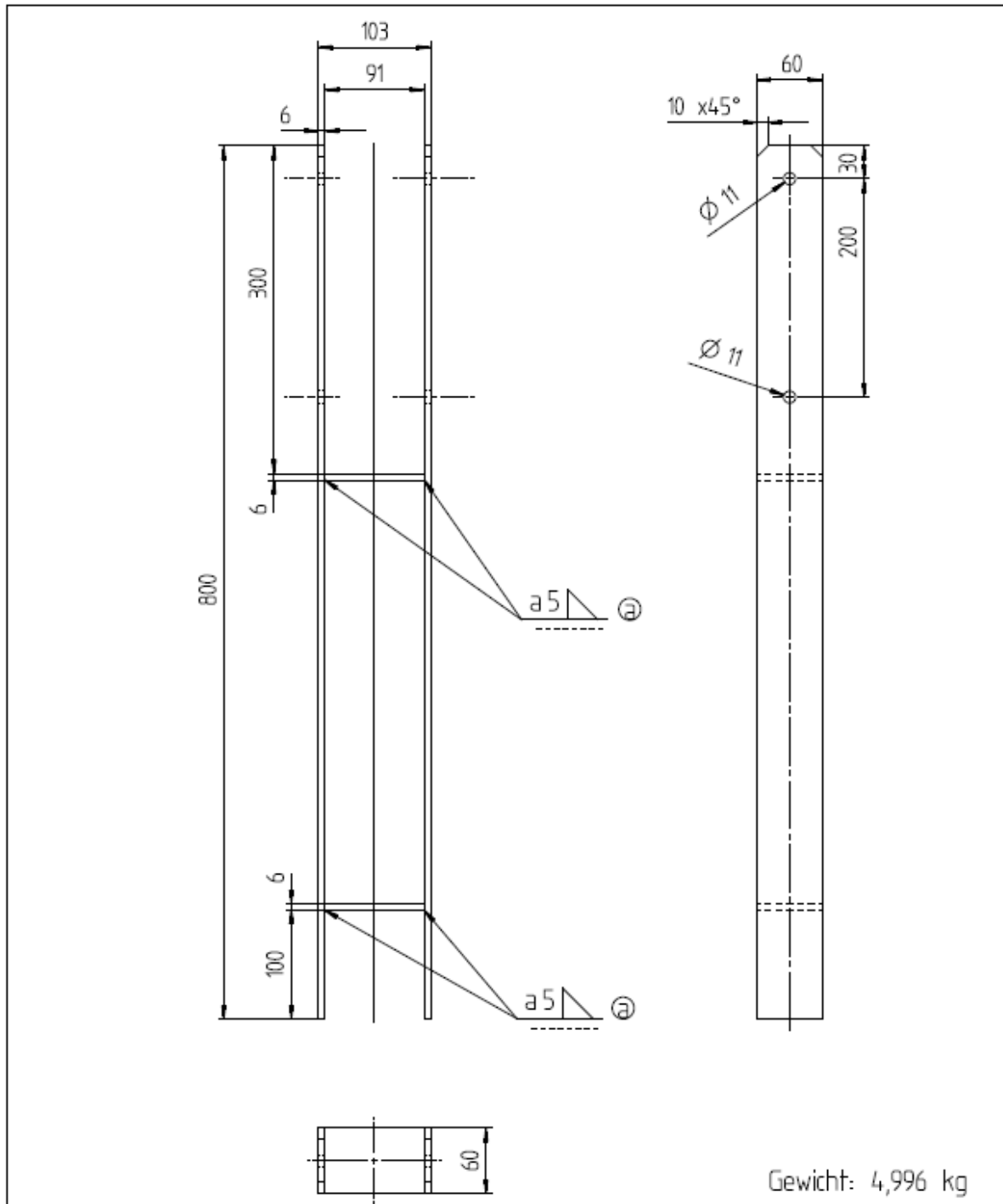






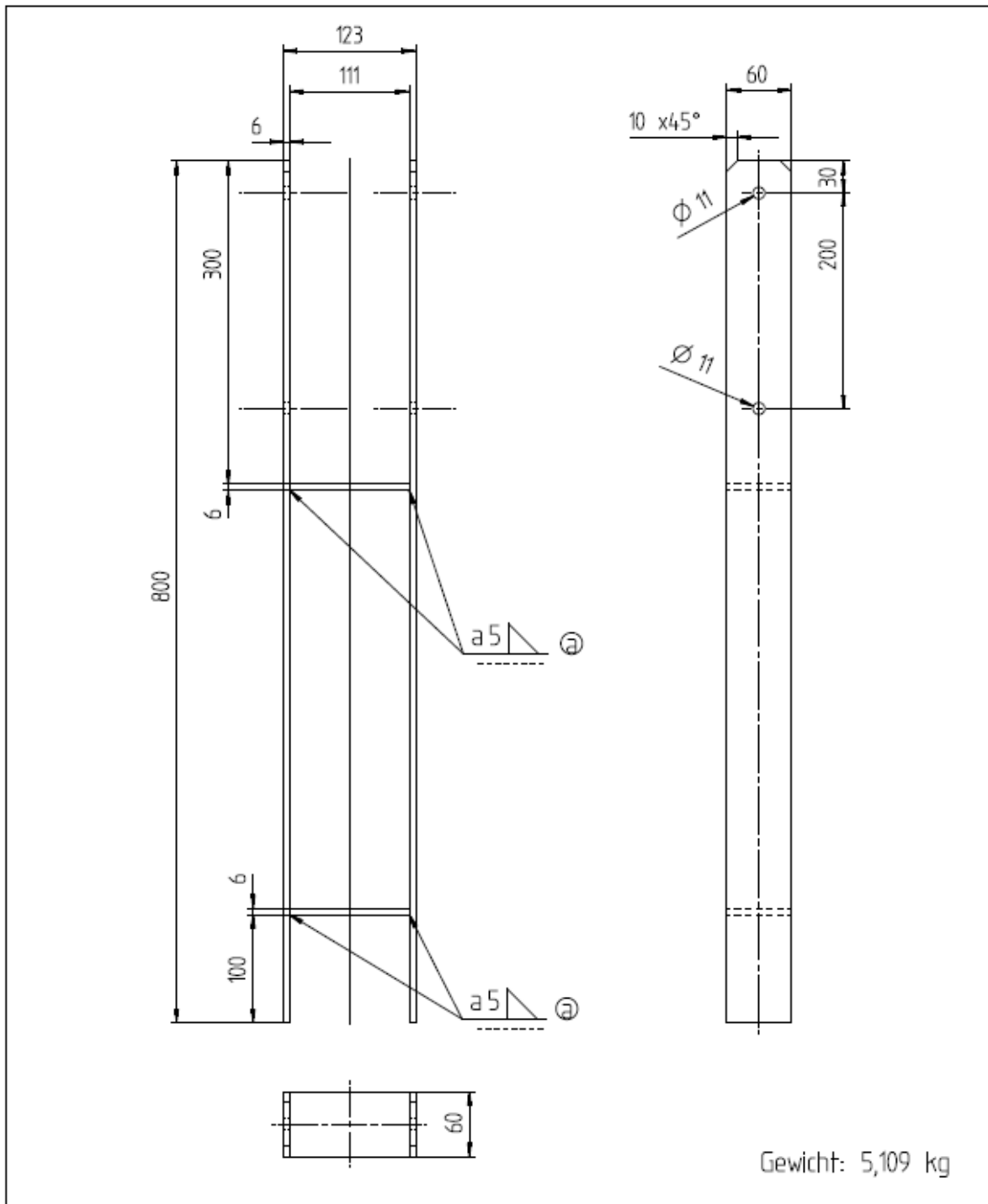






Gewicht: 4,996 kg

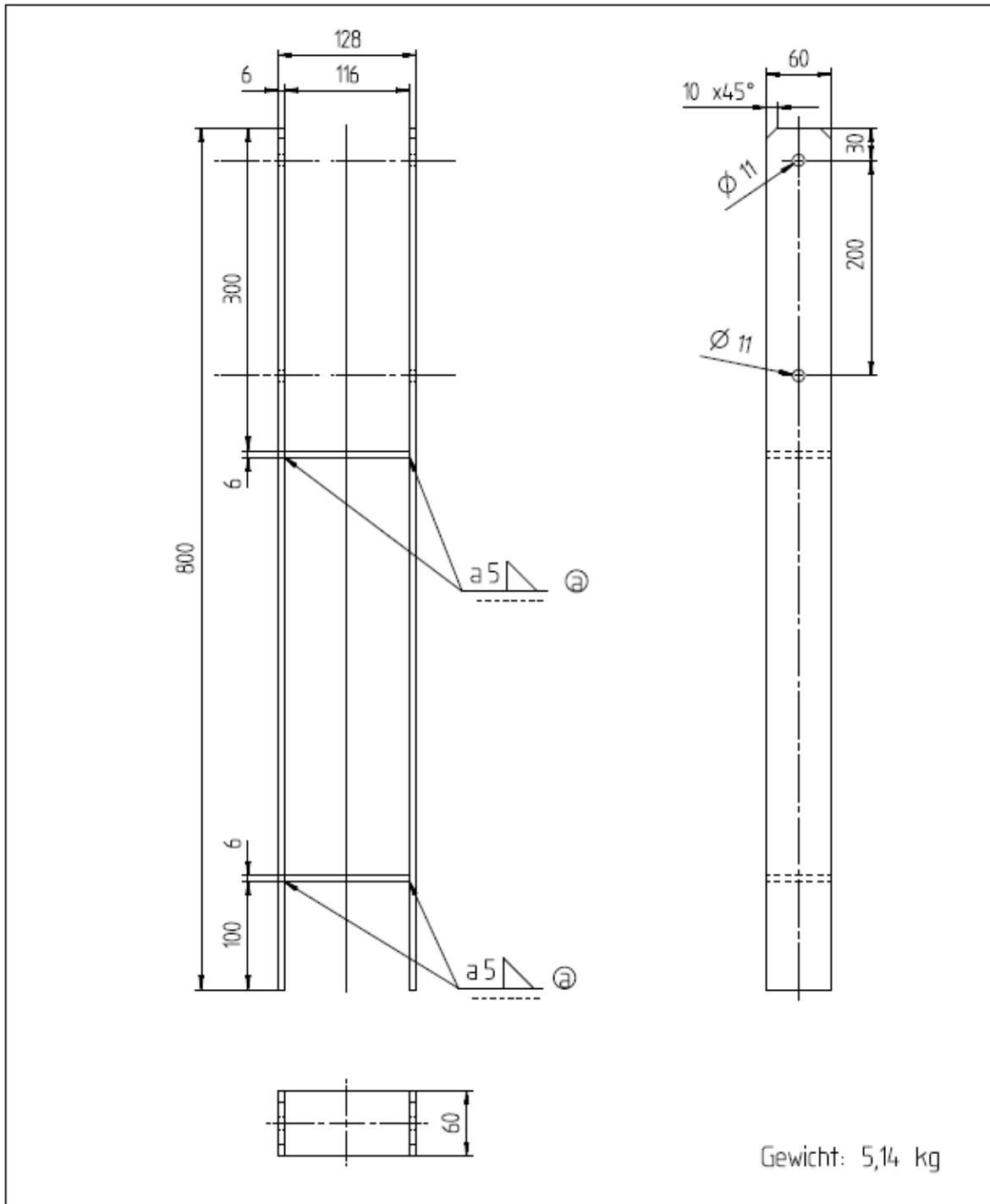
| Pos. position      | Sfck. pc. | Benennung / description   |            | Abmessung dimensions                                 | Zeichnungsnr. drawing number                                       | Bemerkung notes / remarks           |
|--------------------|-----------|---|------------|--|--|-------------------------------------|
|                    |           | Änderungen nur durch Abteilung K<br>modification only from department K |            | Maßstab scale  |  | Material / material S235JR / 1.0037 |
|                    |           |   |            | Typ Nr. typ-number                                   | 655  | Bemerkung / notes / remarks 219925  |
| Ⓐ                  |           | Schweißnaht war a7 und jetzt a5<br>welding seam was a7 and now a5       | 23.09.2014 | Bogdan   | Benennung / description  |                                     |
| Zust. condition    |           | Änderung / modification   |            | Datum/date   | H-Pfostenanker, schwer, 91mm<br>Post support, H-Shape, heavy, 91mm |                                     |
| Bearb./drawer      | 28.7.09   | Name/name Hunka   |            | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |  |                                     |
| Gezeichnet         |           |   |            | Zeichnungsnummer drawing number                      |  | Version                             |
| Norm/standard      |           |   |            | 0655 0091 2  |  | CE                                  |
| <b>GAH ALBERTS</b> |           |   |            |  |  |                                     |



Gewicht: 5,109 kg

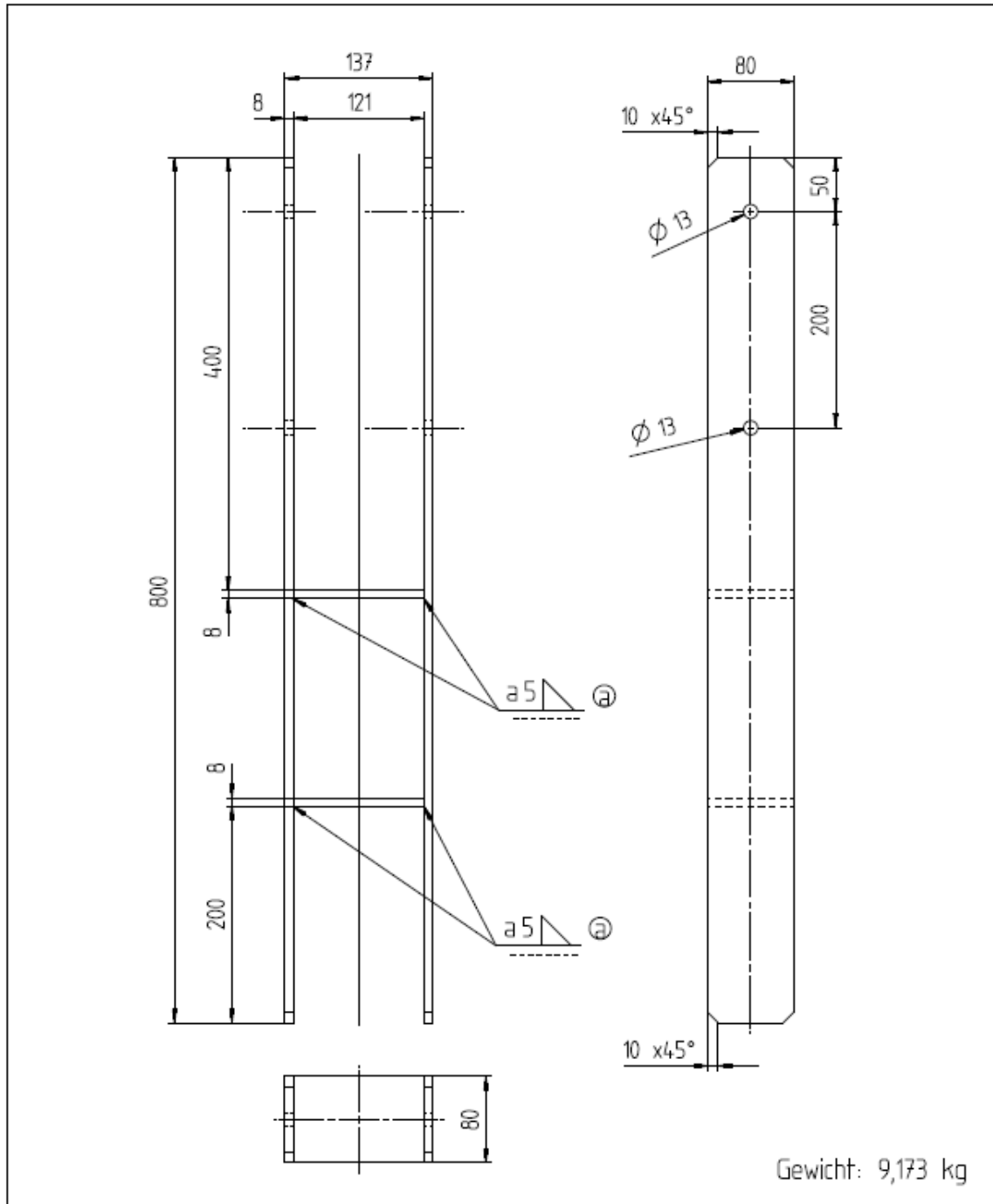
| Pos. position   | Stk. pc.                        | Benennung / description | Abmessung dimensions                                 | Zeichnungsnr. drawing number        | Bemerkung notes / remarks |
|---|---------------------------------|-------------------------|--|-------------------------------------|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         | Massstab scale                                       | Material / material S235JR / 1.0037 |                           |
|   |                                 |                         | Typ Nr. typ-number                                   | Bemerkung / notes / remarks         |                           |
|   |                                 |                         | 655  | 219949                              |                           |
| Ⓐ   | Schweißnaht war a7 und jetzt a5 |                         | 23.09.2014   | Bogdan                              |                           |
| Zust. condition   | Änderung / modification         |                         | Datum/date   | Name/name                           |                           |
|   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                     |                           |
| Bearb./drawer   | 28.7.09                         | Hunka                   |  |                                     |                           |
| Gepr. geantner  |                                 |                         |  |                                     |                           |
| Norm/standard   |                                 |                         |  |                                     |                           |
| <b>GAH ALBERTS</b>  |                                 |                         |  | Zeichnungsnummer drawing number     | Version                   |
|   |                                 |                         |  | 0655 0111 2                         | CE                        |

H-Pfostenanker, schwer, 111mm  
Post support, H-Shape, heavy, 111mm



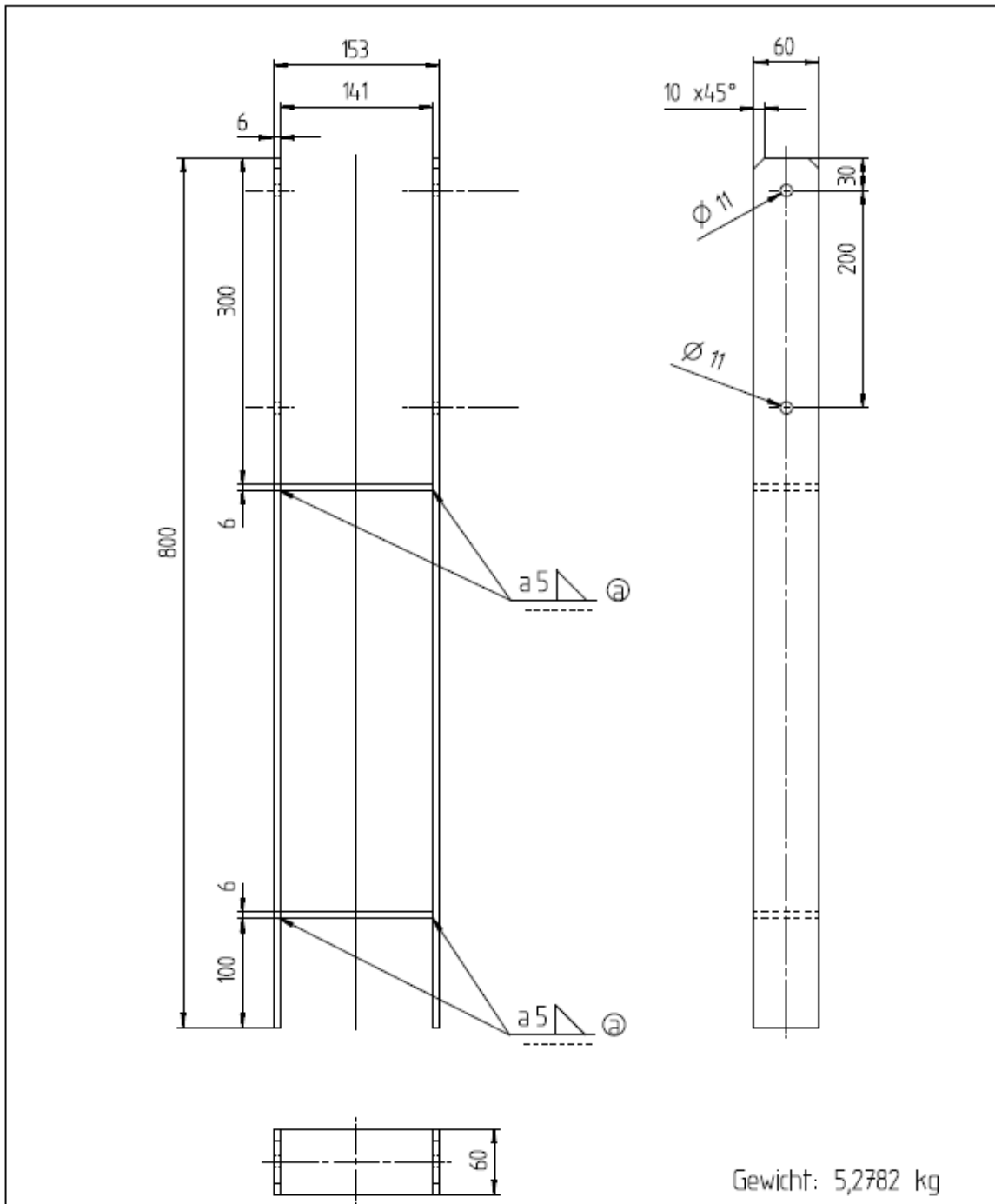
Gewicht: 5,14 kg

|                    |                         |   |  |                                 |  |                                     |
|--------------------|-------------------------|---|--|---------------------------------|--|-------------------------------------|
| Pos. position      | Sfck. pc.               | Benennung / description   |  | Abmessung dimensions            | Zeichnungsnr. drawing number   | Bemerkung notes / remarks           |
|                    |                         | Änderungen nur durch Abteilung K<br>modification only from department K |  | Maßstab scale                   |  | Material / material S235JR / 1,0037 |
|                    |                         |   |  | Typ Nr. typ-number              | 655  | Bemerkung / notes / remarks 208417  |
| ⊕                  |                         | Schweißnaht war a7 und jetzt a5   | 23.09.2014   | Bogdan                          | Benennung / description  |                                     |
| Zust. condition    | Änderung / modification |   | Datum/date   | Name/name                       | H-Pfostenanker, schwer, 116mm<br>Post support, H-Shape, heavy, 116mm |                                     |
| Bearb./drawer      | Datum/date              | Name/name   | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |  |                                     |
| Gepr./printer      |                         |   |  |                                 |  |                                     |
| Norm/standard      |                         |   |  |                                 |  |                                     |
| <b>GAH ALBERTS</b> |                         |   |  | Zeichnungsnummer drawing number | 0655 0116 2  | Version CE                          |

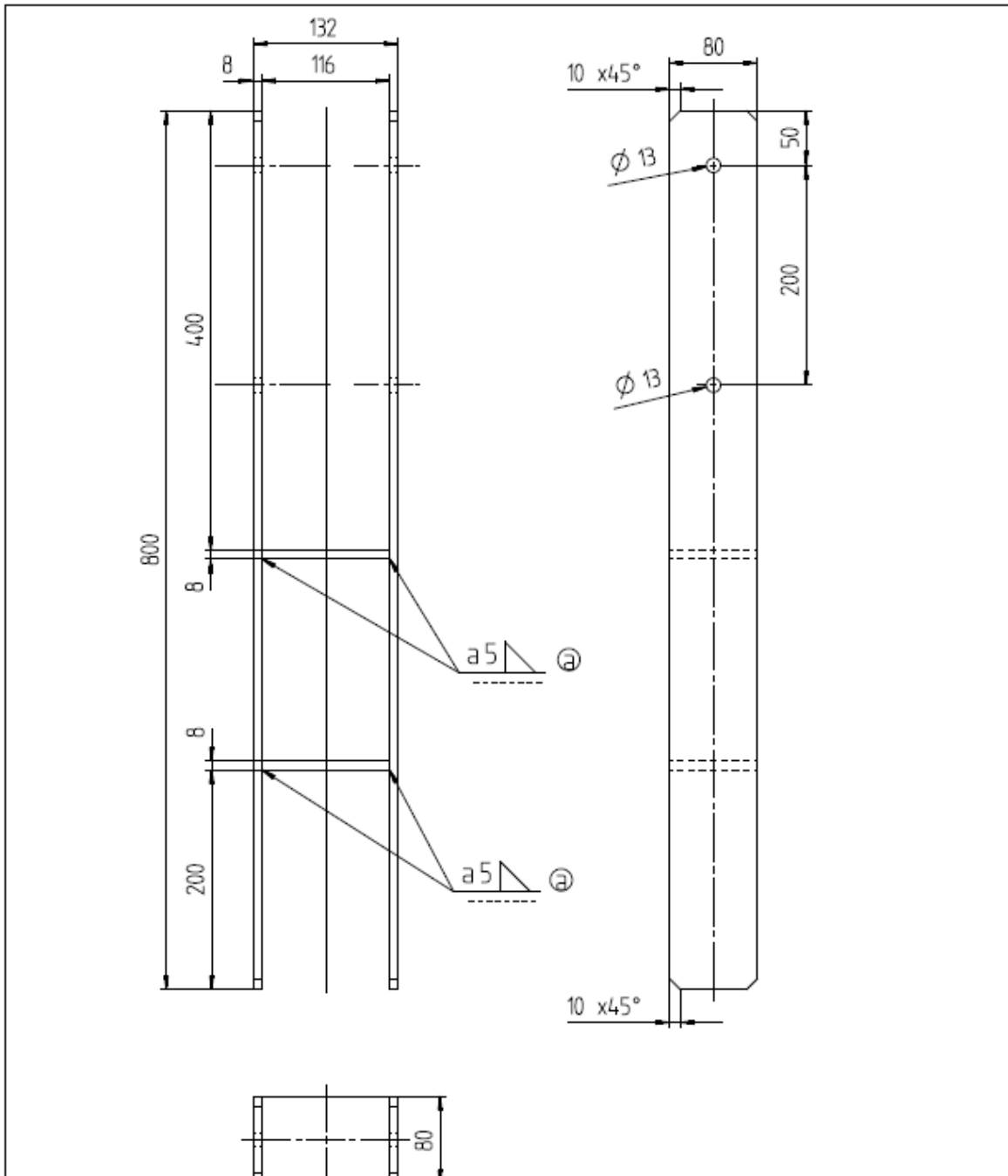


Gewicht: 9,173 kg

| Pos. position   | Stck. pc.                       | Benennung / description |                                | Abmessung dimensions            | Zeichnungsnr. drawing number   | Bemerkung notes / remarks             |
|---|---------------------------------|-------------------------|--------------------------------|---------------------------------|--|---------------------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         |                                | Massstab scale                  | Material / material S235JR / 1.0037                                  |                                       |
| b   | war 205003                      |                         |                                | Typ Nr. typ-number              | 665  | Bemerkung / notes / remarks<br>205003 |
| Ⓐ   | Schweißnaht war a7 und jetzt a5 |                         | 23.09.2014                     | Bogdan                          | Benennung / description  |                                       |
| Zust. condition   | Änderung / modification         |                         | Datum/date                     | Name/name                       | H-Pfostenanker, schwer, 121mm<br>Post support, H-Shape, heavy, 121mm |                                       |
| Bearb./drawer   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance |                                 |  |                                       |
| Gepr. examiner  | 28.7.09                         | Hunka                   | ISO 2768                       |                                 |  |                                       |
| Norm/standard   |                                 |                         | mittel                         |                                 |  |                                       |
| <b>GAH ALBERTS</b>  |                                 |                         |                                | Zeichnungsnummer drawing number | 0665 0121 2  | Version<br>CE                         |



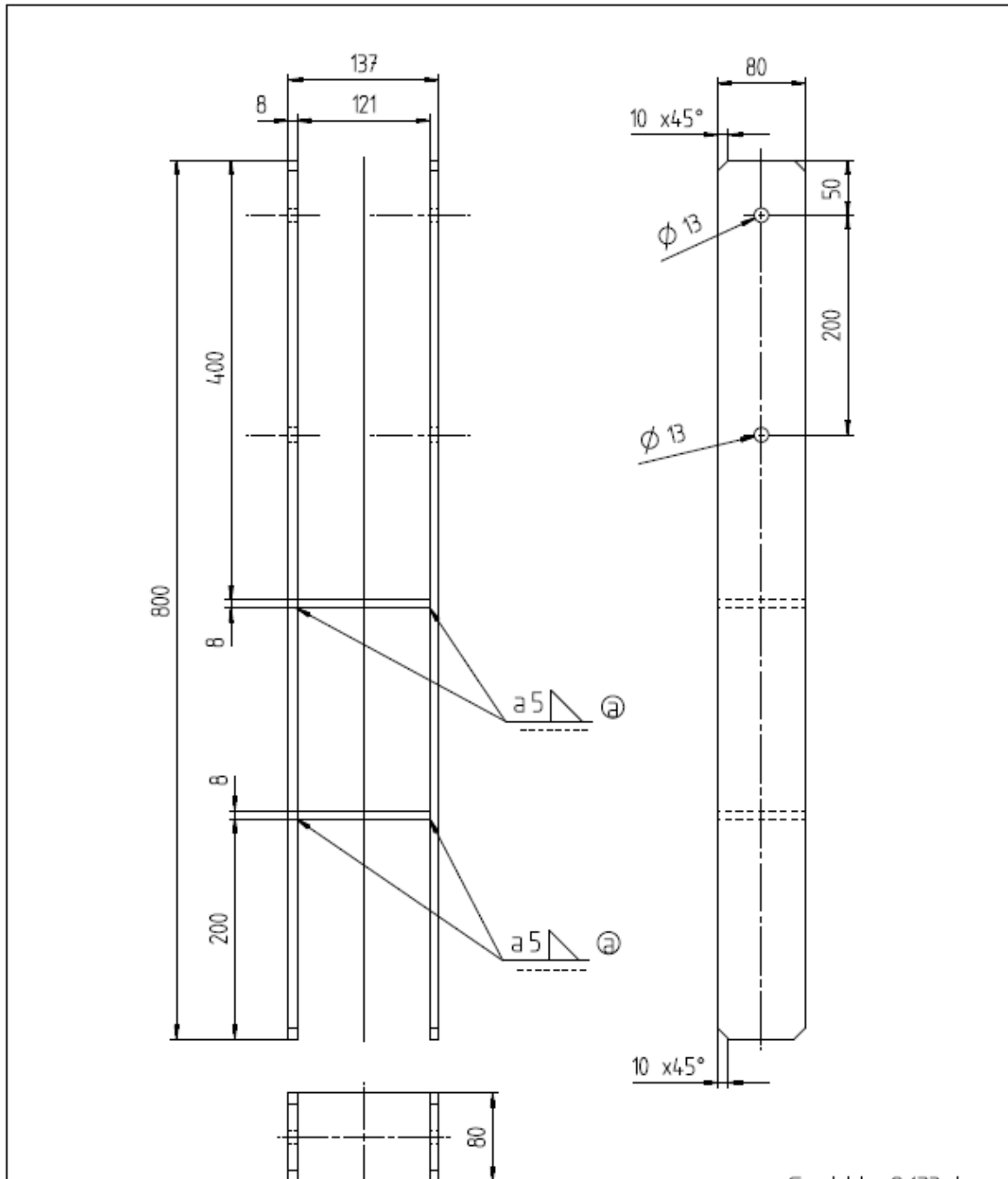
|   |  |                         |  |                                     |                                    |
|---|--|-------------------------|--|-------------------------------------|------------------------------------|
| Pos. position   | Stück. pc.   | Benennung / description | Abmessung dimensions   | Zeichnungsnr. drawing number        | Bemerkung notes / remarks          |
| Änderungen nur durch Abteilung K<br>modification only from department K |  |                         | Massstab scale   | Material / material S235JR / 1.0037 |                                    |
| b   | war  | 208431                  | Typ Nr. typ-number   | 655                                 | Bemerkung / notes / remarks 208431 |
| ⓐ   | Schweißnaht war a7 und jetzt a5                      |                         | Datum/date   | 23.09.2014                          | Name/name Bogdan                   |
| Zust. condition   | Änderung / modification                              |                         | Benennung / description  |                                     |                                    |
| Bearb./drawer   | Datum/date   | Name/name               | H-Pfostenanker, schwer, 141mm<br>Post support, H-Shape, heavy, 141mm |                                     |                                    |
| Gepr. executor  | 28.7.09  | Hunka                   |  |                                     |                                    |
| Norm/standard   | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                         |  |                                     |                                    |
| GAH ALBERTS   |  |                         | Zeichnungsnummer drawing number                                      | 0655 0141 2                         | Version CE                         |



Gewicht: 9,123 kg

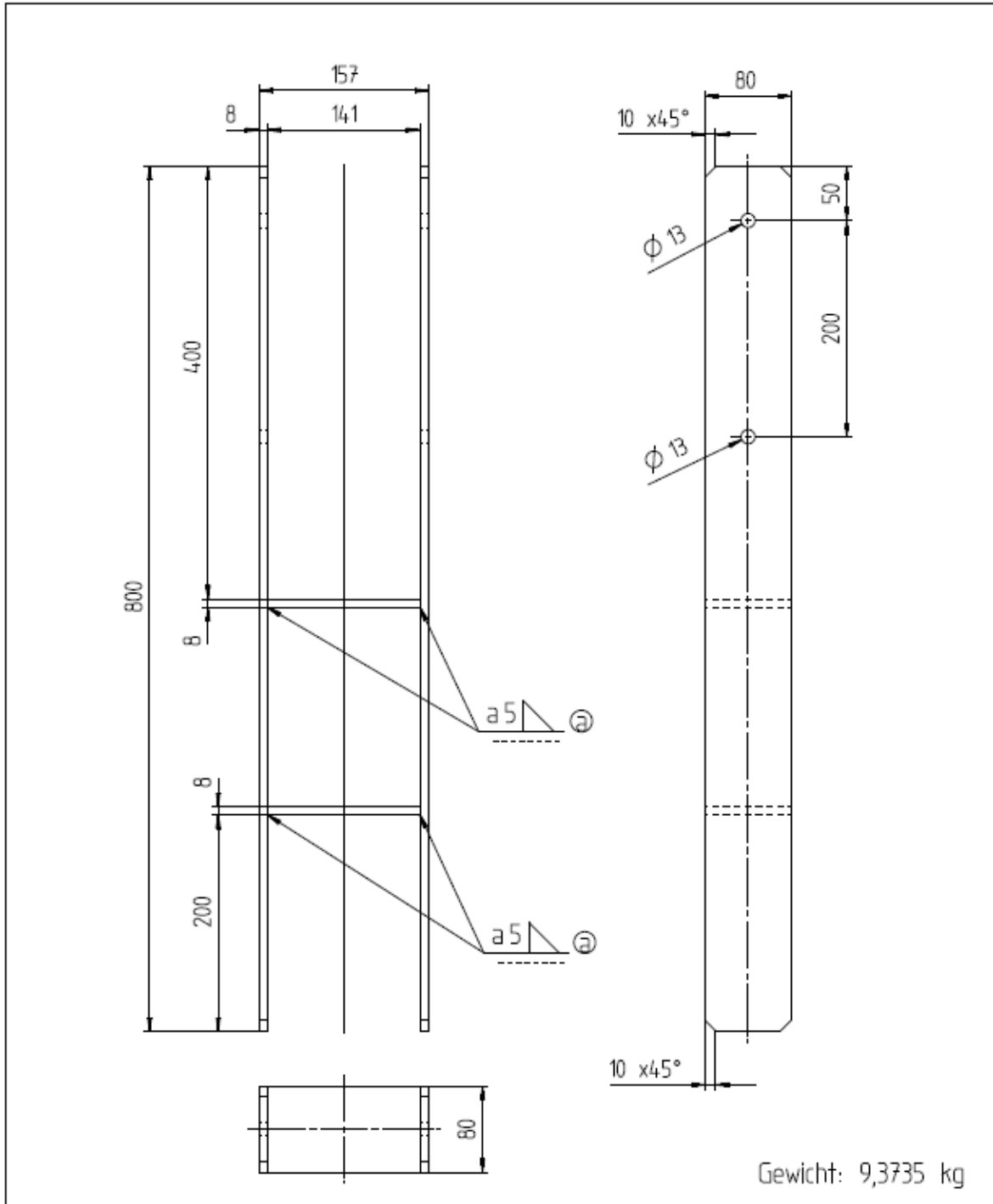
|   |                                 |                         |  |                                 |                              |                           |
|---|---------------------------------|-------------------------|--|---------------------------------|------------------------------|---------------------------|
| Pos. position   | Stück. pc.                      | Benennung / description |  | Abmessung dimensions            | Zeichnungsnr. drawing number | Bemerkung notes / remarks |
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         |  | Maßstab scale                   | Material / material          | S235JR / 1,0037           |
| b   | war 208448                      |                         |  | Typ Nr. typ-number              | Bemerkung / notes / remarks  |                           |
|   |                                 |                         |  | 665                             | 208448                       |                           |
| ⓐ   | Schweißnaht war a7 und jetzt a5 | 23.09.2014              | Bogdan   | Benennung / description         |                              |                           |
| Zust. condition   | Änderung / modification         |                         | Datum/date   | Name/name                       |                              |                           |
| Bearb./drawer   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |                              |                           |
| Gepr. examiner  | 28.7.09                         | Hunka                   |  |                                 |                              |                           |
| Norm/standard   |                                 |                         |  |                                 |                              |                           |
| GAH ALBERTS   |                                 |                         |  | Zeichnungsnummer drawing number | 0665 0116 2                  | Version                   |
|   |                                 |                         |  |                                 |                              | CE                        |





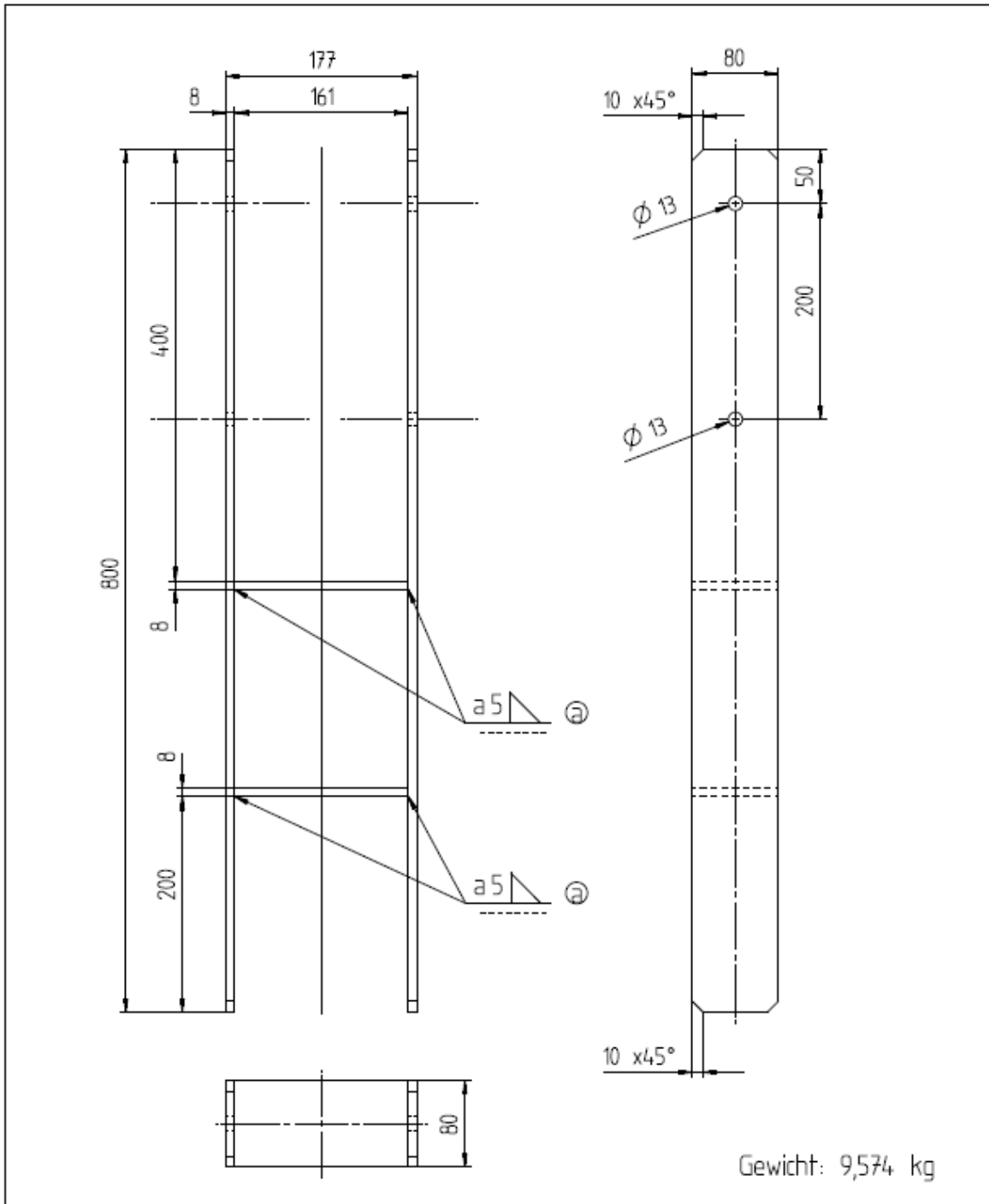
Gewicht: 9,173 kg

| Pos. position   | Stck. pc.                       | Benennung / description |                                | Abmessung dimensions  | Zeichnungsnr. drawing number | Bemerkung notes / remarks             |
|---|---------------------------------|-------------------------|--------------------------------|---|------------------------------|---------------------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         |                                | Massstab scale  | Material / material          | S235JR / 1.0037                       |
| b   | war 205003                      |                         |                                | Typ Nr. typ-number  | 665                          | Bemerkung / notes / remarks<br>205003 |
| Ⓐ   | Schweißnaht war a7 und jetzt a5 | 23.09.2014              | Bogdan                         | Benennung / description<br>H-Pfostenanker, schwer, 121mm<br>Post support, H-Shape, heavy, 121mm |                              |                                       |
| Zust. condition   | Änderung / modification         |                         | Datum/date                     | Name/name   |                              |                                       |
| Bearb./drawer   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance |   |                              |                                       |
| Gepr. examiner  | 28.7.09                         | Hunka                   | ISO 2768                       |   |                              |                                       |
| Norm/standard   |                                 |                         | mittel                         |   |                              |                                       |
| GAH ALBERTS   |                                 |                         |                                | Zeichnungsnummer drawing number   | 0665 0121 2                  | Version<br>CE                         |



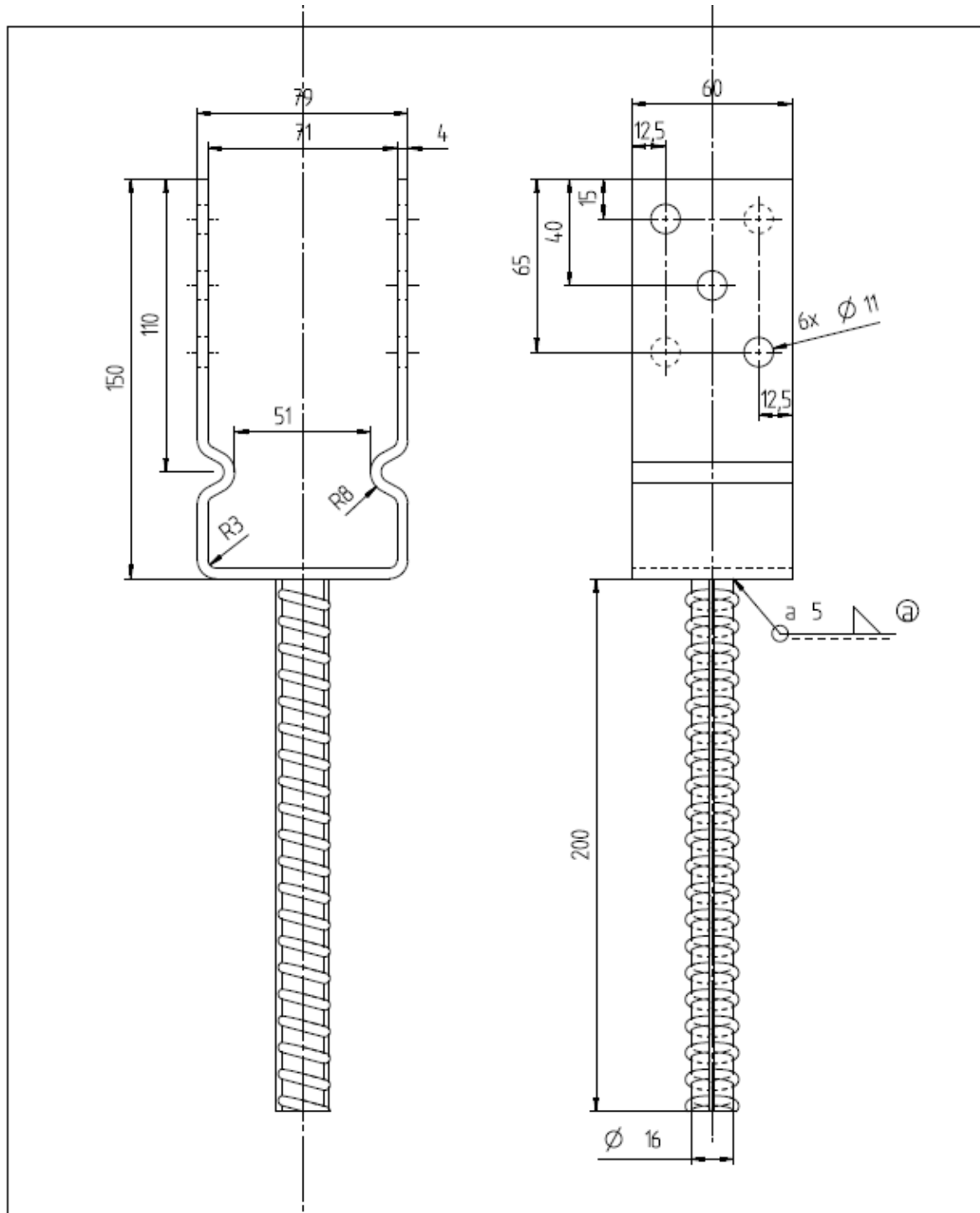
Gewicht: 9,3735 kg

| Pos. position   | Stck. pc.                        | Benennung / description   | Abmessung dimensions   | Zeichnungsnr. drawing number                | Bemerkung notes / remarks           |
|-----------------|----------------------------------|---|--|---|-------------------------------------|
|                 |                                  | Änderungen nur durch Abteilung K<br>modification only from department K |  | Massstab scale                              | Material / material S235JR / 1.0037 |
| b               | war 205010                       |   |  | Typ Nr. typ-number 665                      | Bemerkung / notes / remarks 205010  |
| Ⓐ               | Schweissnaht war a7 und jetzt a5 | 23.09.2014  | Bogplan  | Benennung / description                     |                                     |
| Zust. condition | Änderung / modification          |   | Datum/date   | Name/name                                   |                                     |
| Bearb./drawer   | Datum/date 28.7.09               | Name/name Hunka   | Zul. Abw. acceptance tolerance ISO 2768 mittel                       |   |                                     |
| Gepr. examiner  |                                  |   | H-Pfostenanker, schwer, 141mm<br>Post support, H-Shape, heavy, 141mm |   |                                     |
| Norm/standard   |                                  |   |  |   |                                     |
| GAH ALBERTS     |                                  |   |  | Zeichnungsnummer drawing number 0665 0141 2 | Version CE                          |

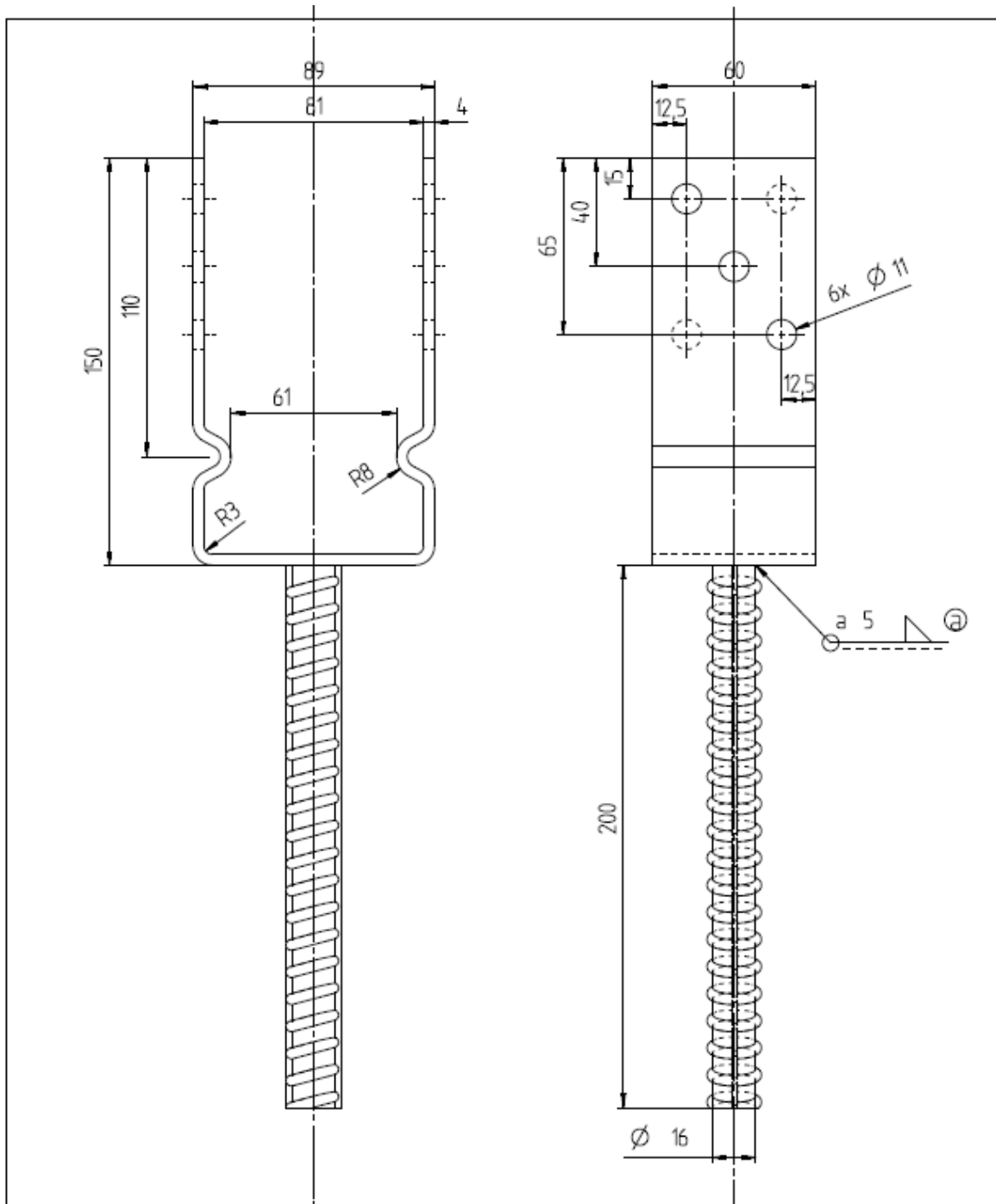


Gewicht: 9,574 kg

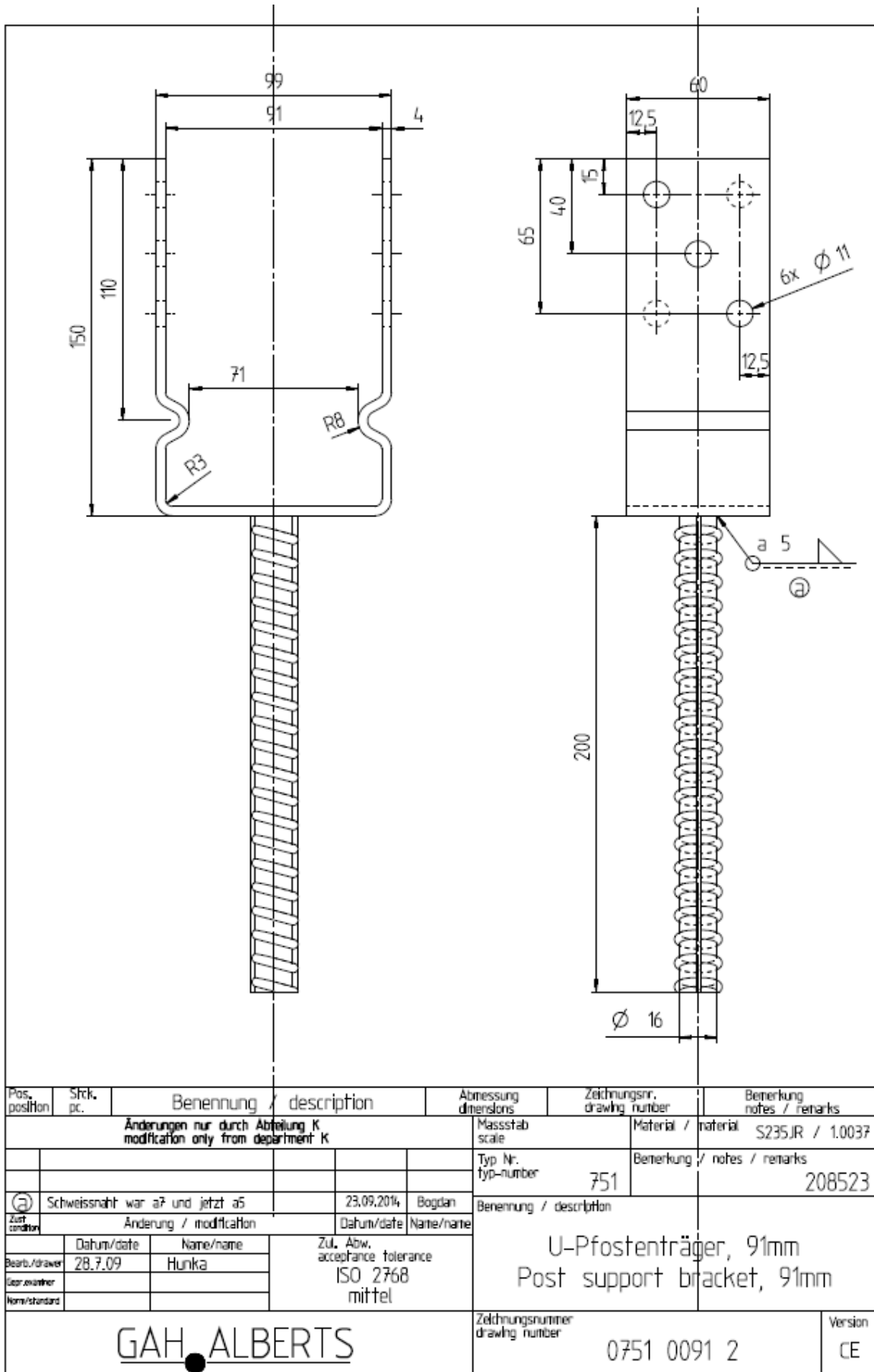
| Pos. position   | Stk. pc.                        | Benennung / description | Abmessung dimensions                                 | Zeichnungsnr. drawing number  | Bemerkung notes / remarks             |
|---|---------------------------------|-------------------------|--|---|---------------------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         | Massstab scale                                       | Material / material   | S235JR / 1,0037                       |
| b   | war 208455                      |                         | Typ Nr. typ-number                                   | 665   | Bemerkung / notes / remarks<br>208455 |
| ⓐ   | Schweißnaht war a7 und jetzt a5 | 23.09.2014              | Bogdan   | Benennung / description<br>H-Pfostenanker, schwer, 161mm<br>Post support, H-shape, heavy, 161mm |                                       |
| Zust. condition   | Änderung / modification         |                         | Datum/date   | Name/name   |                                       |
| Bearb./drawer   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |   |                                       |
| Gepr. examiner  | 28.7.09                         | Hunka                   |  |   |                                       |
| Norm/standard   |                                 |                         |  |   |                                       |
| GAH ALBERTS   |                                 |                         |  | Zeichnungsnummer drawing number   | 0665 0161 2                           |
|   |                                 |                         |  | Version   | CE                                    |



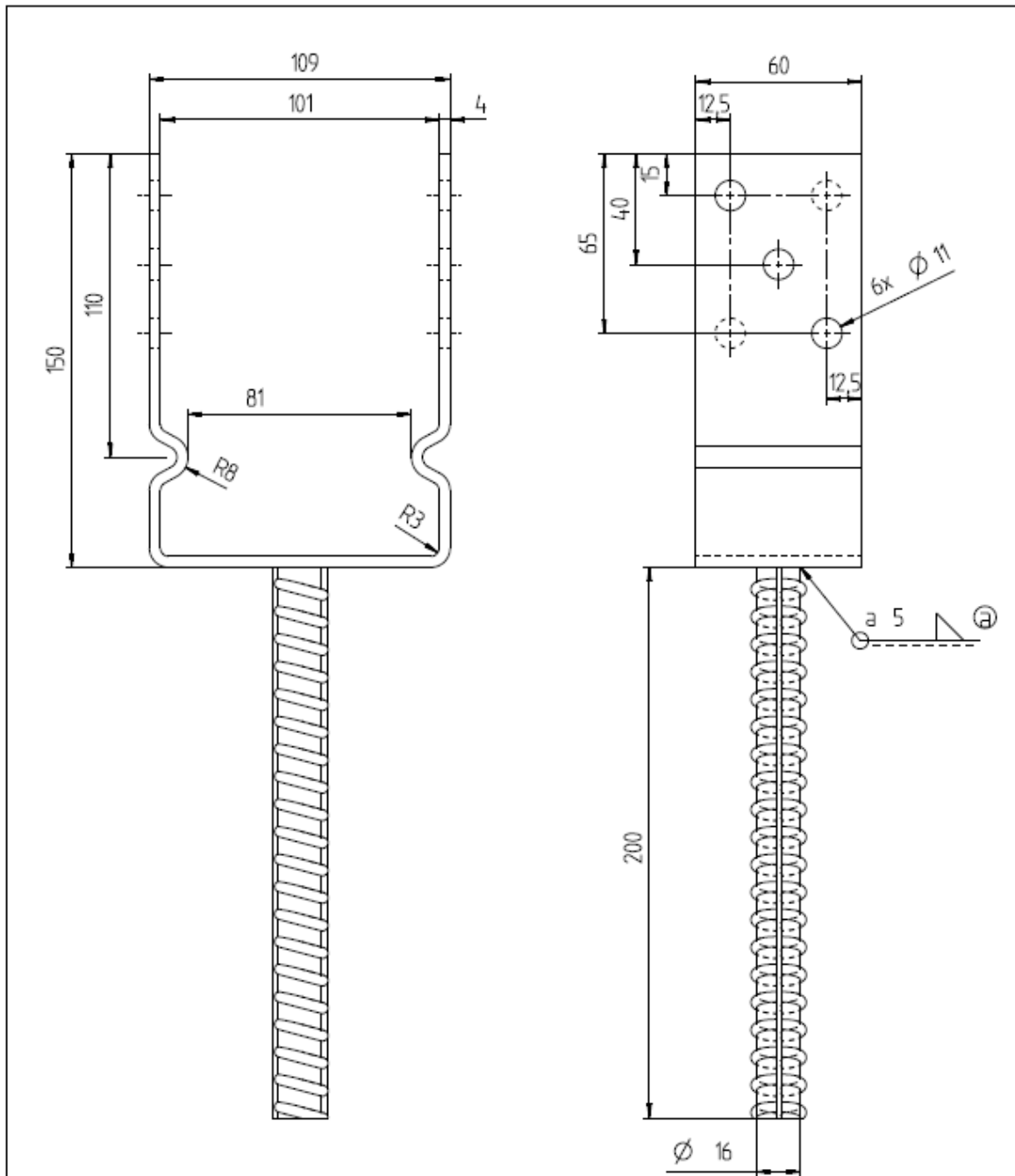
| Pos. position   | Stück. pc.                      | Benennung / description | Abmessung dimensions                                 | Zeichnungsnr. drawing number     | Bemerkung notes / remarks             |
|---|---------------------------------|-------------------------|--|----------------------------------|---------------------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                 |                         | Massstab scale                                       | Material $\frac{S235JR}{1.0037}$ |                                       |
|   |                                 |                         | Typ Nr. typ-number                                   | 751                              | Bemerkung / notes / remarks<br>208509 |
| ⓐ   | Schweißnaht war a7 und jetzt a5 |                         | 23.09.2014   | Bogdan                           |                                       |
| Zust. condition   | Änderung / modification         |                         | Datum/date   | Name/name                        |                                       |
| Bearb./drawer   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                  |                                       |
| Gepr. examiner  |                                 |                         |  |                                  |                                       |
| Norm/standard   |                                 |                         |  |                                  |                                       |
| <b>GAH ALBERTS</b>  |                                 |                         | Zeichnungsnummer drawing number                      | 0751 0071 2                      | Version<br>CE                         |



| Pos. position   | Stck. pc.                        | Benennung / description |  | Abmessung dimensions | Zeichnungsnr. drawing number                        | Bemerkung notes / remarks             |
|---|----------------------------------|-------------------------|--|----------------------|---|---------------------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                  |                         |  | Massstab scale       | Material / material                                 | S235JR / 1.0037                       |
|   |                                  |                         |  | Typ Nr. typ-number   | 751   | Bemerkung / notes / remarks<br>208516 |
| ⓐ   | Schweissnaht war a7 und jetzt a5 |                         | 23.09.2014   | Bogdan               | Benennung / description                             |                                       |
| Zust. condition   | Änderung / modification          |                         | Datum/date   | Name/name            | U-Pfostenträger, 81mm<br>Post support bracket, 81mm |                                       |
| Bearb./drawer   | Datum/date                       | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                      |   |                                       |
| Exp./author   |                                  |                         |  |                      |   |                                       |
| Norm/standard   |                                  |                         |  |                      |   |                                       |
| <b>GAH ALBERTS</b>  |                                  |                         |  |                      | Zeichnungsnummer drawing number                     | Version<br>CE                         |
|   |                                  |                         |  |                      | 0751 0081 2   |                                       |



| Pos. position   | Stck. pc.                        | Benennung / description | Abmessung dimensions                                | Zeichnungsnr. drawing number    | Bemerkung notes / remarks |
|---|----------------------------------|-------------------------|---|---------------------------------|---------------------------|
| Änderungen nur durch Abteilung K<br>modification only from department K |                                  |                         | Massstab scale                                      | Material / material             | S235JR / 1.0037           |
|   |                                  |                         | Typ Nr. typ-number                                  | Bemerkung / notes / remarks     | 208523                    |
|   |                                  |                         | 751   |                                 |                           |
| ⓐ   | Schweissnaht war a7 und jetzt a5 |                         | 23.09.2014  | Bogdan                          | Benennung / description   |
| Zust condition  | Änderung / modification          |                         | Datum/date  | Name/name                       |                           |
| Bearb./drawer   | Datum/date                       | Name/name               | U-Pfostenträger, 91mm<br>Post support bracket, 91mm |                                 |                           |
| Gez./number   | 28.7.09                          | Hunka                   |   |                                 |                           |
| Norm/standard   |                                  |                         |   |                                 |                           |
|   |                                  |                         | Zul. Abw. acceptance tolerance                      |                                 |                           |
|   |                                  |                         | ISO 2768  |                                 |                           |
|   |                                  |                         | mittel  |                                 |                           |
| GAH ALBERTS   |                                  |                         |   | Zeichnungsnummer drawing number | Version                   |
|   |                                  |                         |   | 0751 0091 2                     | CE                        |



|   |                                 |                         |  |                                 |                                     |                           |
|---|---------------------------------|-------------------------|--|---------------------------------|-------------------------------------|---------------------------|
| Pos. position   | Sfck. pc.                       | Benennung / description |  | Abmessung dimensions            | Zeichnungsnr. drawing number        | Bemerkung notes / remarks |
| Anderungen nur durch Abteilung K<br>modification only from department K |                                 |                         |  | Massstab scale                  | Material / material S235JR / 1.0037 |                           |
|   |                                 |                         |  | Typ Nr. typ-number              | Bemerkung / notes / remarks         |                           |
|   |                                 |                         |  | 751                             | 208530                              |                           |
| Ⓒ   | Schweißnaht war a7 und jetzt a5 |                         | 23.09.2014   | Bogdan                          |                                     |                           |
| Zust. condition   | Änderung / modification         |                         | Datum/date   | Name/name                       |                                     |                           |
|   | Datum/date                      | Name/name               | Zul. Abw. acceptance tolerance<br>ISO 2768<br>mittel |                                 |                                     |                           |
| Bearb./drawer   | 28.7.09                         | Hunka                   |  |                                 |                                     |                           |
| Gepr. number  |                                 |                         |  |                                 |                                     |                           |
| Norm/standard   |                                 |                         |  |                                 |                                     |                           |
| GAH ALBERTS   |                                 |                         |  | Zeichnungsnummer drawing number | 0751 0101 2                         |                           |
|   |                                 |                         |  | Version                         |                                     | CE                        |

