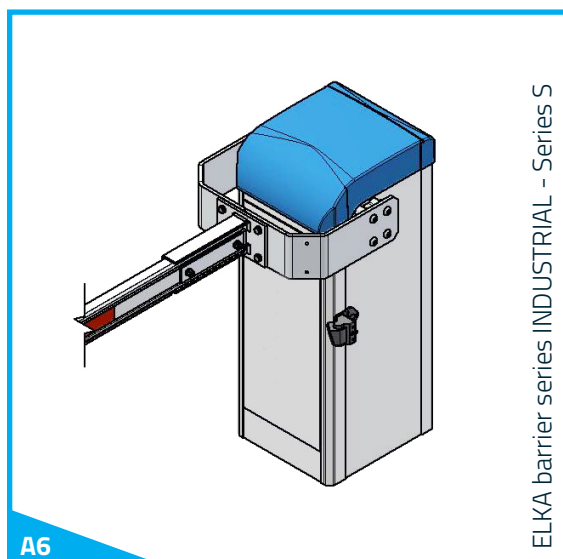
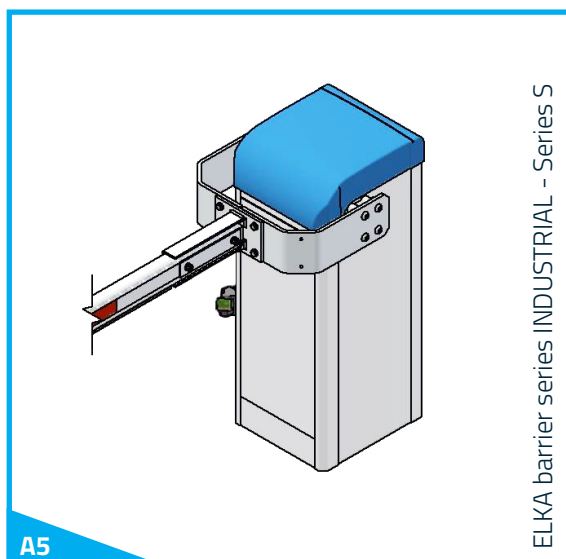
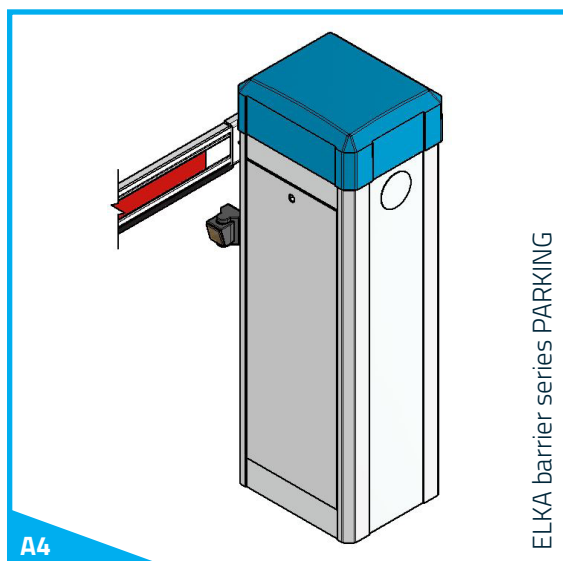
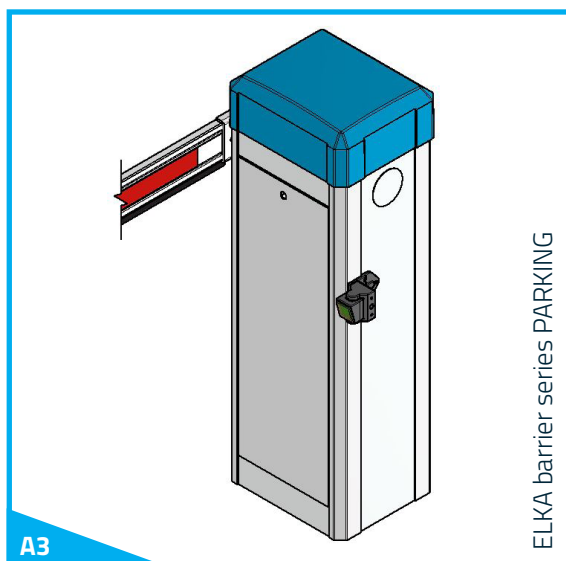
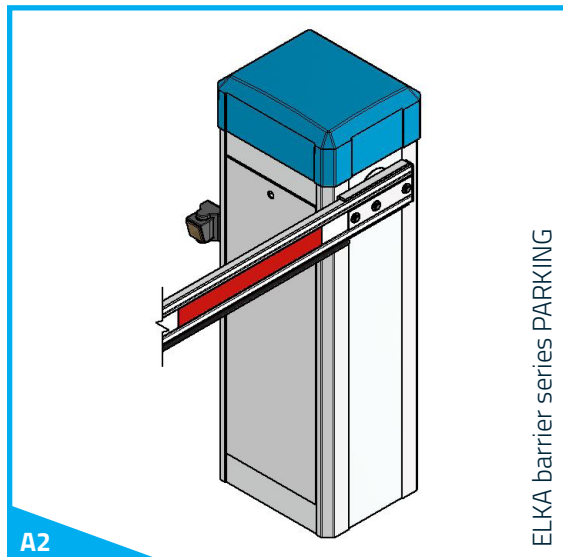
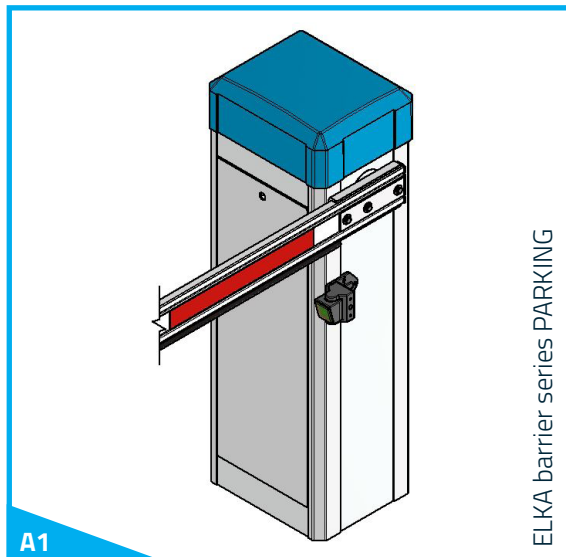


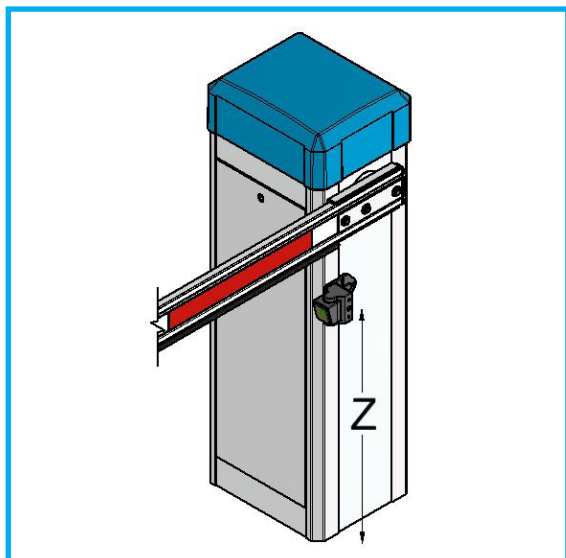
Quick guide for the ELKA radar sensor Comfort

with 1 safety field (G) / with 1 safety field and 1 opening field (H)

A) Determining the mounting side of the radar sensor on the barrier housing



B) Determination of the mounting height Z from the roadway

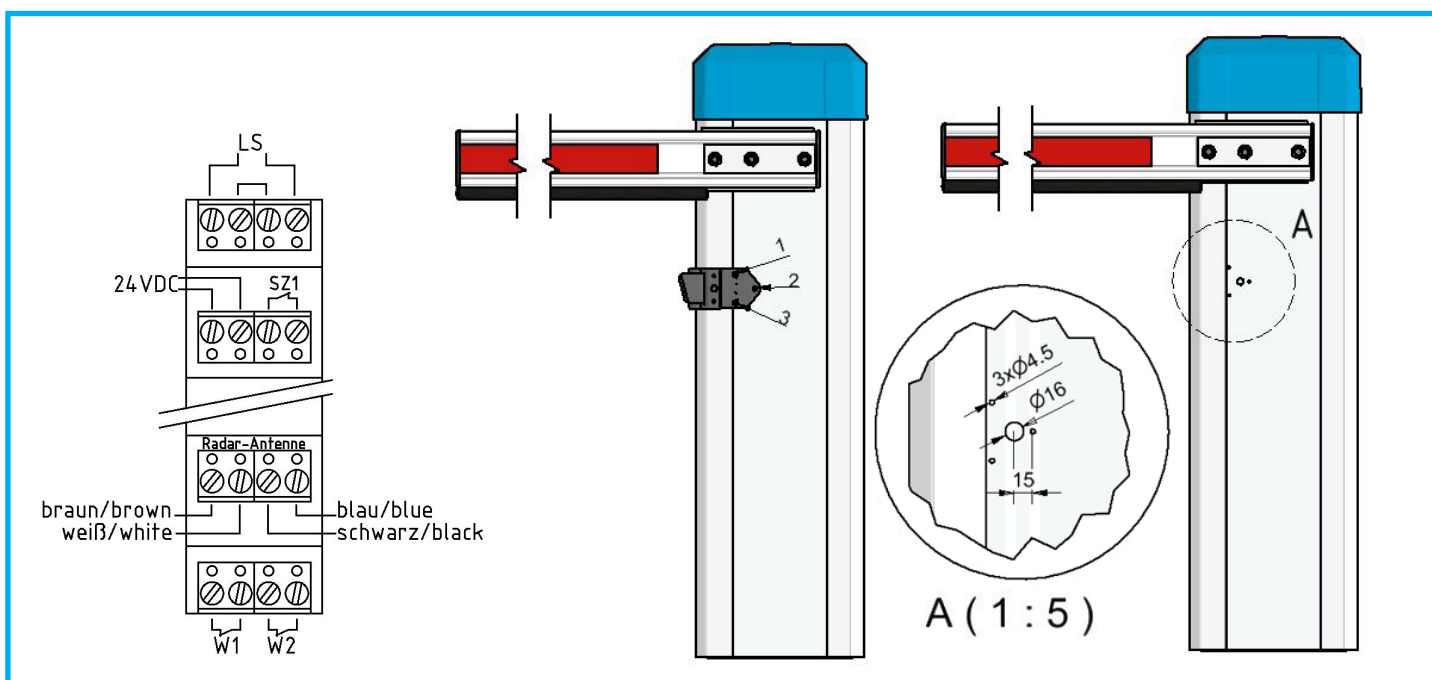


For all barriers:
 $Z = 55 - 110\text{cm}$

ATTENTION: Distance to the lower edge of the boom min. 15cm

C) Installation of the radar sensor and the evaluation unit

Note: Ensure that the sensor (antenna) is correctly wired to the evaluation unit (brown wire to terminal C+, blue wire to terminal C-) to prevent a short circuit in the antenna. Incorrect wiring of the sensor (antenna) and evaluation unit will damage the sensor (antenna).



Connection with the software

Please connect to the WI-Fi of the radar sensor first:

WI-Fi name: ELKA-RadarXXX

(XXX = last 3 digits of the serial number on the evaluation unit)

WI-Fi user: User

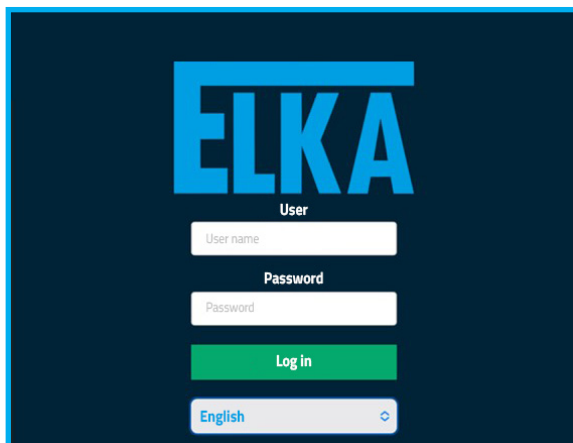
WI-Fi password: User 9791

After a successful connection, the login window will appear after entering the URL **<http://elka.net>** in the Internet browser.

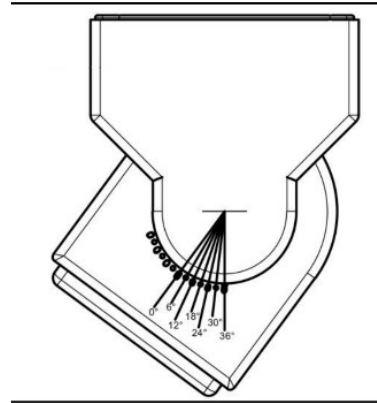
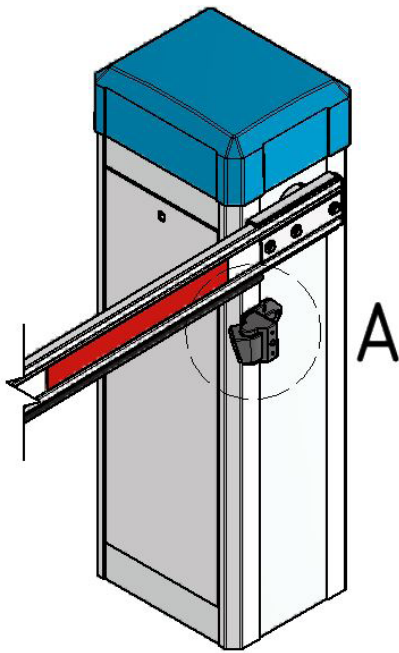
User: User

Password: User 9791!

Configuration according to installation instructions starting from page 41.

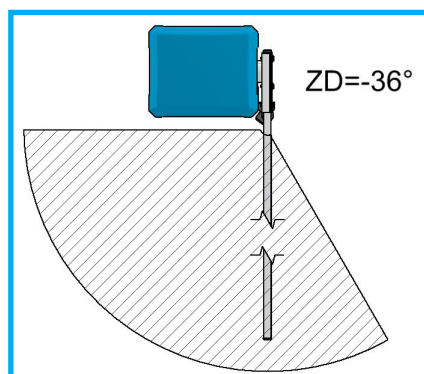
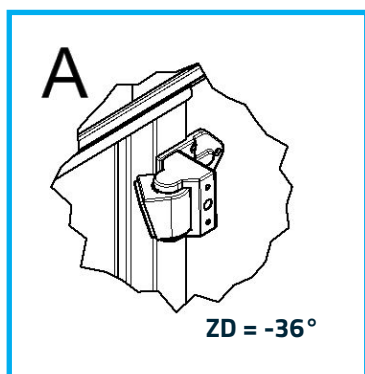
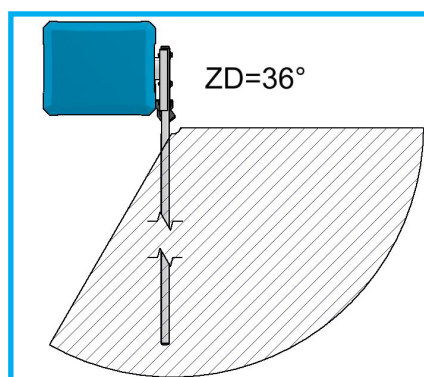
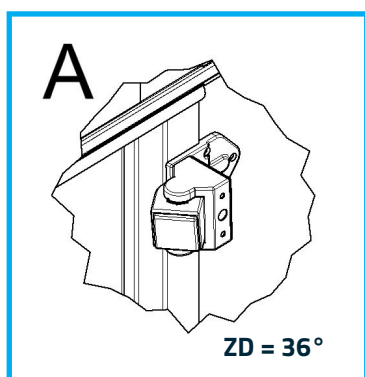
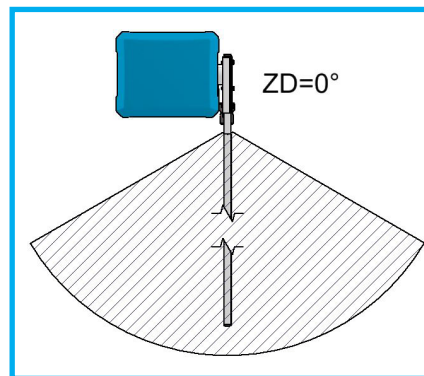
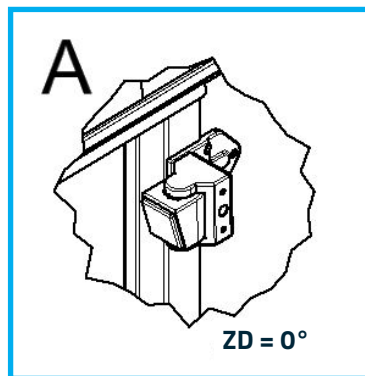


D) Changing the detection angle ZD

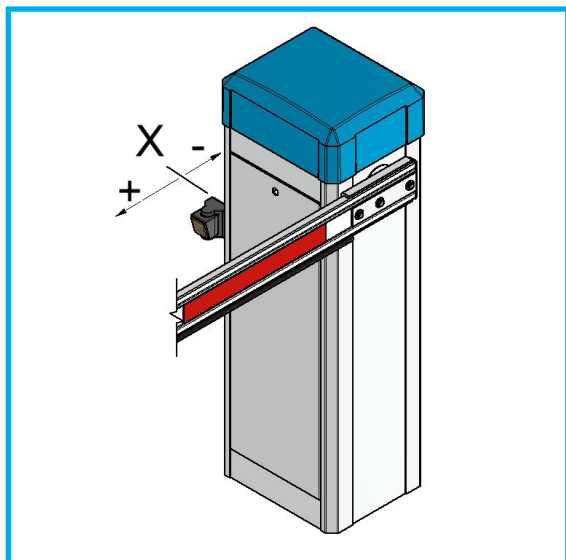


Detection range 120°

Adjustable in the range of $ZD = -36^\circ$ to $+36^\circ$
in 6° steps



E) Determination of the distance X (radar sensor - front edge of barrier housing)

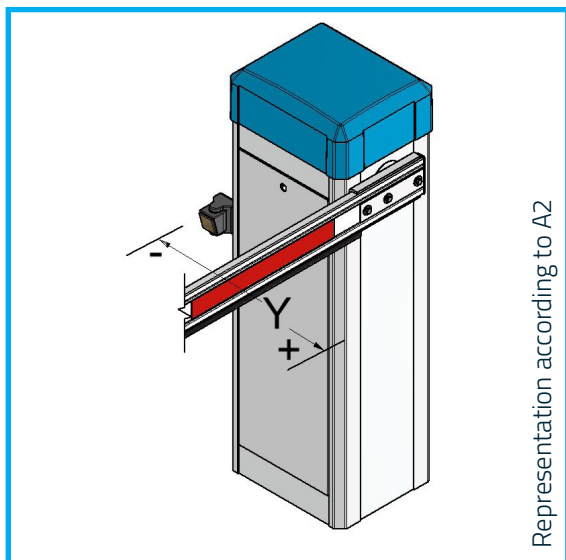


The following applies to all ELKA barriers:

$X = +2\text{cm}$

For third-party barriers, please measure accordingly (check the operators!)

F) Determination of the distance Y (radar sensor - boom centre)



The following applies to ELKA barriers of the **series PARKING** (depending on the variant under A/Page 1):

A1: $Y = 0\text{cm}$

A2: $Y = -43\text{cm}$

A3: $Y = +43\text{cm}$

A4: $Y = 0\text{cm}$

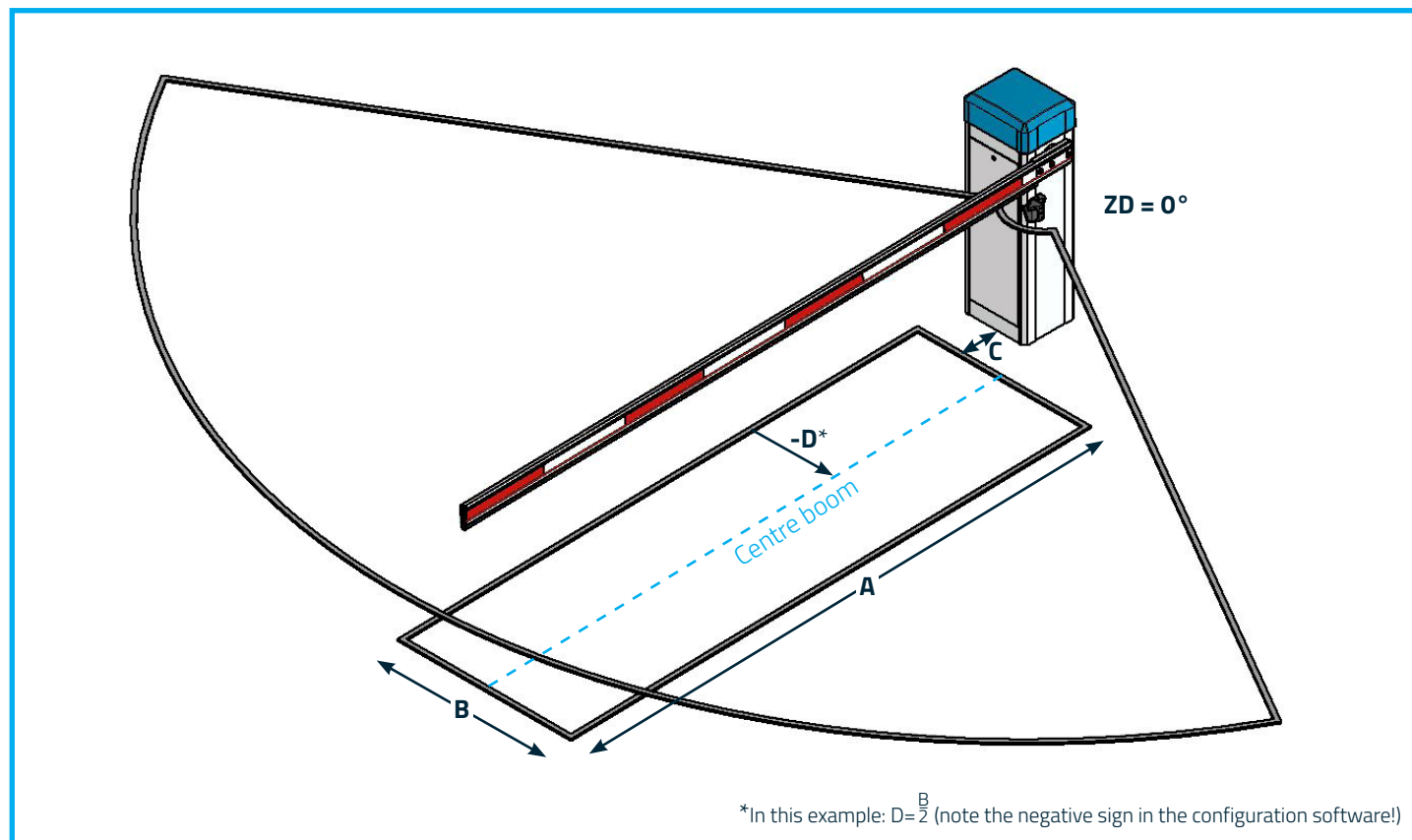
The following applies to ELKA barriers of the **series INDUSTRIAL** - Series S (depending on the variant under A/Page 1):

A5: $Y = -25\text{cm}$

A6: $Y = +25\text{cm}$

For third-party barriers, please measure accordingly (check the operators!)

G) Configuration of a security area



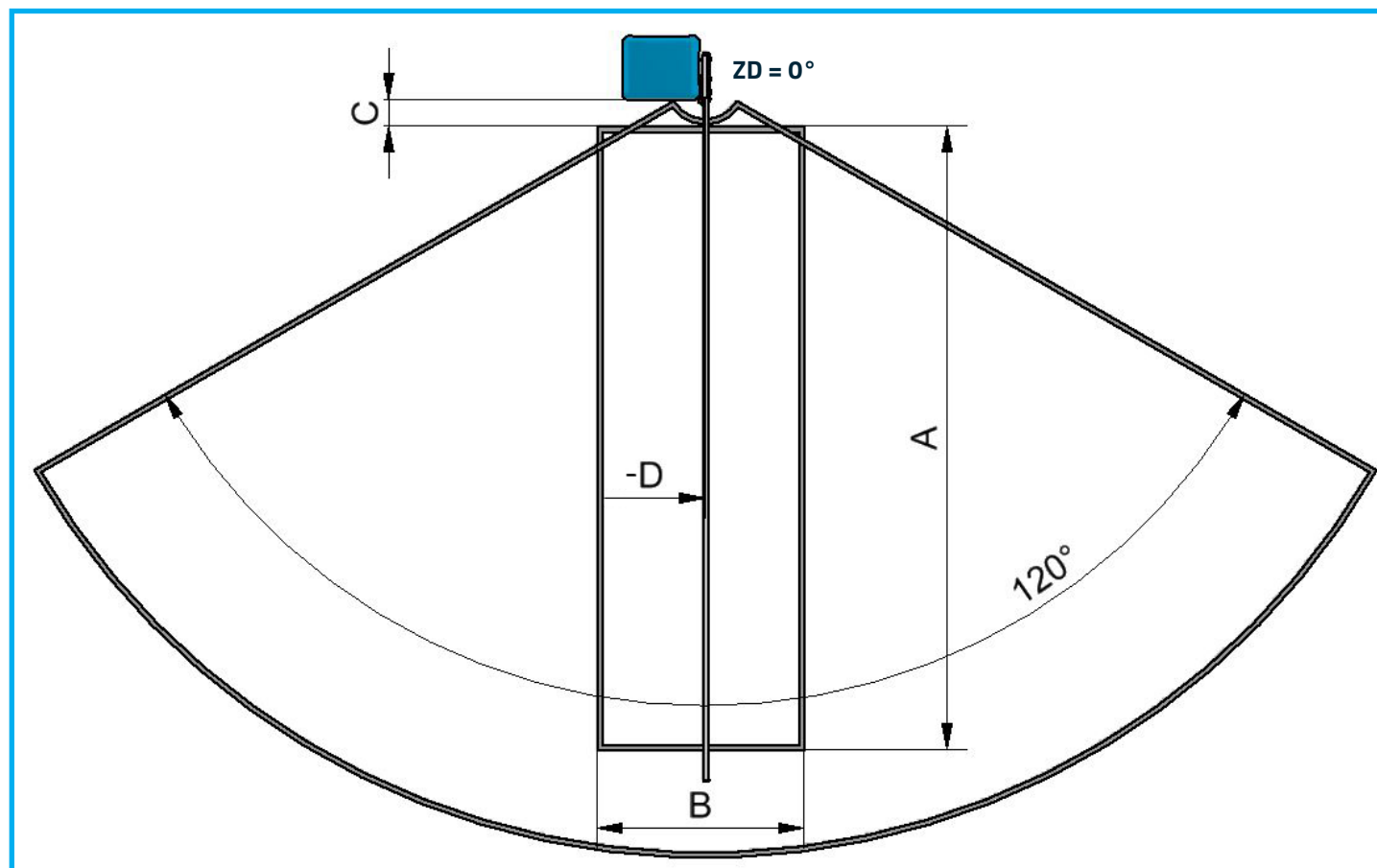
Installation example for securing the barrier arm only.

A = Width of the safety field in cm

B = Depth of the safety field in cm

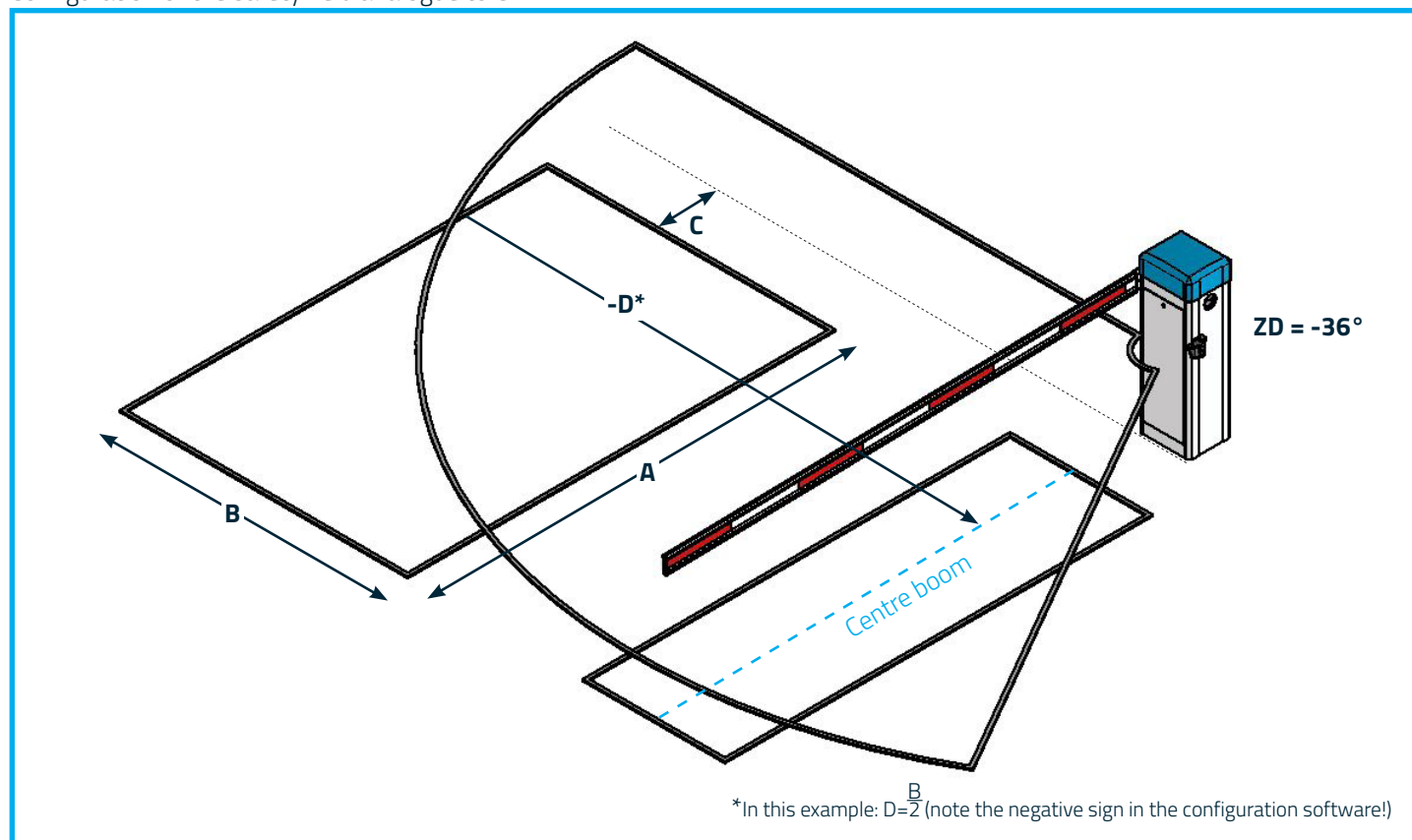
C = Distance of the safety field from the barrier housing in cm

D = Dimension of the safety field to the centre of the boom (measured from the outer edge of the field) in cm



H) Configuration of a safety field and an opening field with a radar sensor

Configuration of the safety field analogue to G.



A = Width of the opening field in cm

B = Depth of the opening field in cm

C = Distance of the opening field from the barrier housing in cm

D = Dimension of the safety field to the centre of the boom (measured from the outer edge of the field) in cm

