Installation Instructions

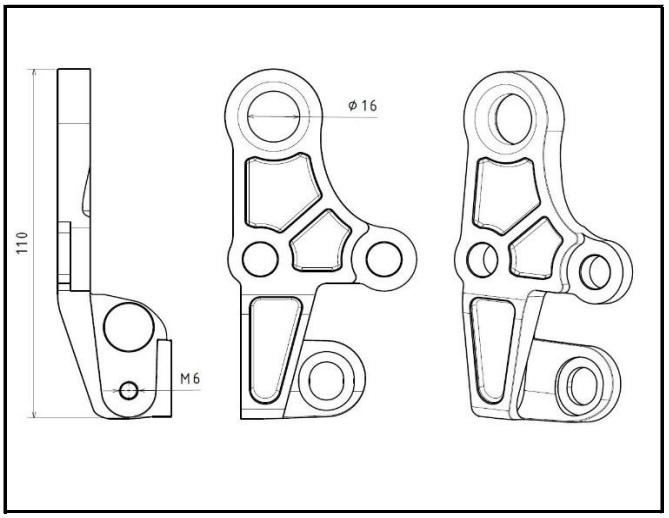
Technical data:

Electrical
Type: *BOSCH Hall Effect Sensor (Art. No. 0232103064)*
Nominal Voltage: *5 V*
Optimal Distance: *0.1–0.15 mm*

Pinout Hall Sensor
1 - *Sensor GND*
2 - *Signal Out*
3 - *+5V*

Mechanical
Design: *Sensor mount with integrated motor lifting bracket*
Lifitng capacity: *Maximum: 500 kg* (1100lbs)

Product Overview:



Safety Instructions:

- For detailed **general safety** instructions, visit: www.cronesix.de/Instructions
- Ensure a **minimum distance** between the sensor and the magnet.
  Direct contact may cause damage to the sensor.
- Use the **correct torque** for the holder to ensure the maximum capacity can be utilized safely.

Step-by-Step Instructions

1. Drill the hole for the holder
Use the template provided to drill the hole for the holder, or alternatively,
refer to the dimensions in the enclosed drawing.
Note: Ensure that no debris falls into the timing belt cover.

2. Attach the sensor to the holder
Screw the sensor into the holder and secure the M6 screw with Loctite adhesive.

3. Remove the fuel rail if necessary
If needed, remove the fuel rail to provide more space for installation.

4. Adjust the sensor to the optimal distance
Push the sensor closer until the optimal distance is reached.
Refer to the Technical Data section for the correct distance.

5. Secure the sensor to the cylinder head
Attach the sensor to the cylinder head using the included screws.
Tighten all three screws to **45 Nm** (33,2 *ft/lbs*).

6. Manually rotate the engine
Turn the engine by hand and check the distance again to ensure it is correct.

7. Pin the connector
Use the enclosed connector and the **Pinout** information to pin the sensor.

8. Configure the sensor in your program of choice
Configure the sensor in your preferred software.
Note: An example setup for ECU MASTER Black is included.

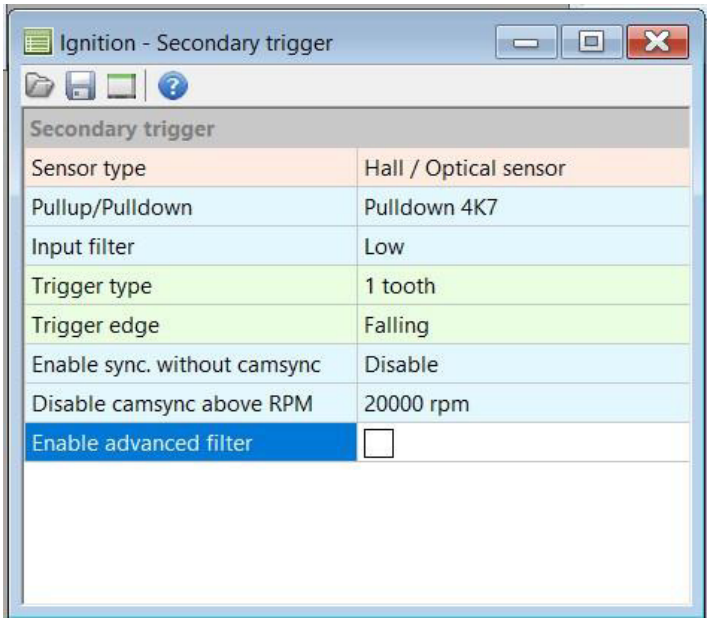
Parameterization Example ECU MASTER

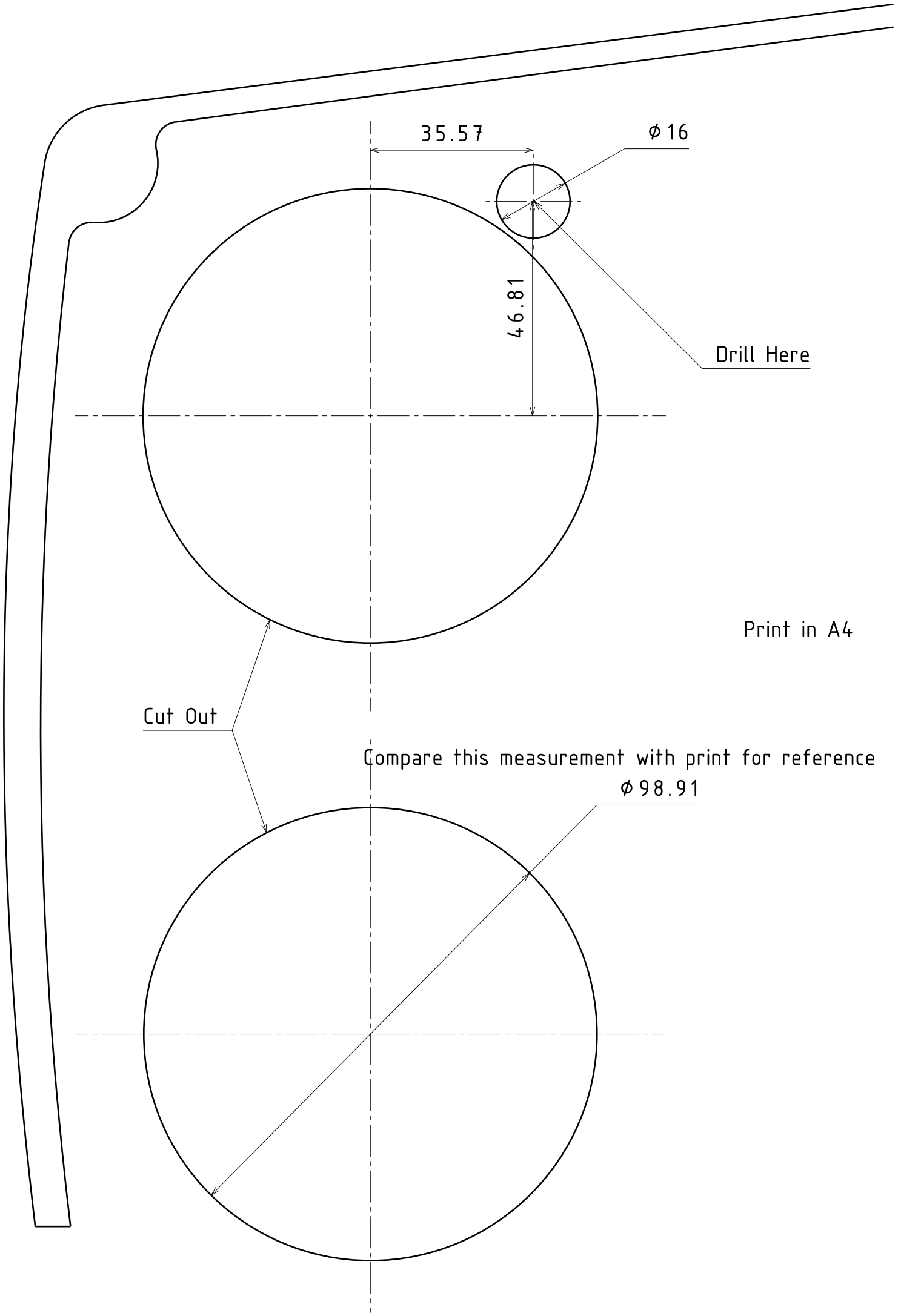
Important:

If you are using a crank trigger wheel with missing teeth,
ensure that the missing teeth are not aligned with the magnet in the cam gear.
The CRONESIX cam gear comes with two different magnet positions.
otherwise, the gears are identical.

If you have any questions, feel free to contact us.

Setup Example: Secondary Trigger




35.57
ϕ16
46.81
Drill Here
Print in A4
Cut Out
Compare this measurement with print for reference
ϕ98.91