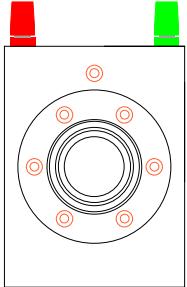
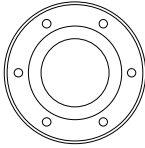

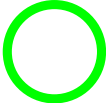

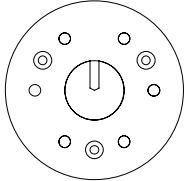
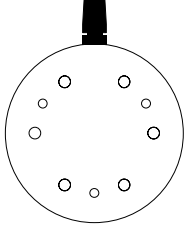
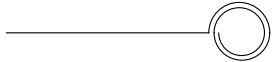
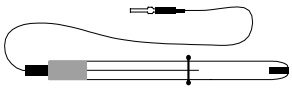


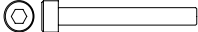






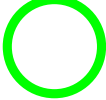

## PECC - Cell components

Position	Count	Description	Drawing / Picture
1	1	cell body PTFE 80mmx60mmx25mm	
2	1	flange PTFE diameter 60mm	
3	1	window diameter 31.6mm	
4	1	o-ring sealing 26x2	
5	1	o-ring sealing 22x2	
6	1	specimen holder with basin PTFE diameter 60mm thickness 10mm	
7	1	working electrode with binding post Aluminium diameter 60mm thickness 8mm	
8	1	Platinum ring electrode	
9	1	Ag/AgCl reference electrode	

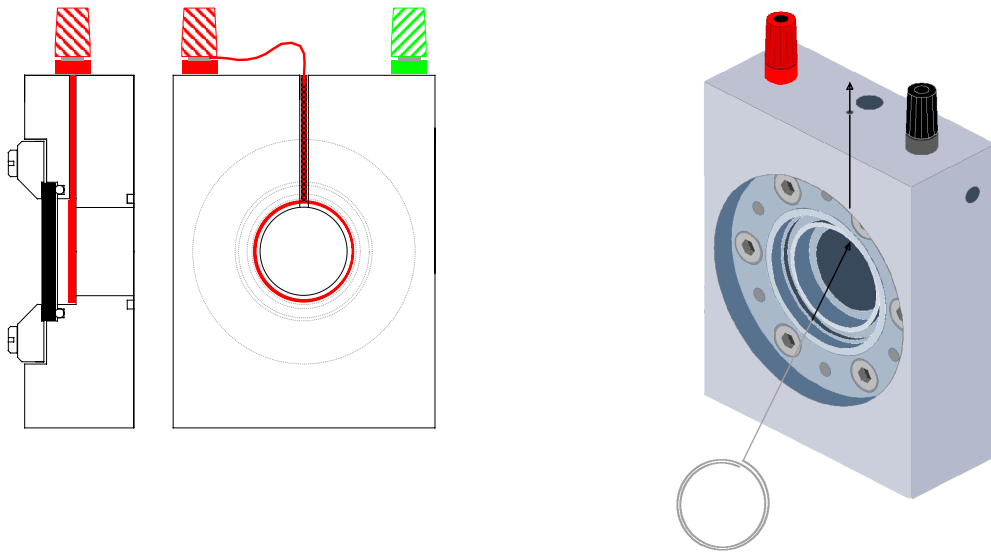
**PECC - Cell components (continued)**

Position	Count	Description	Drawing / Picture
10	6	bushing	
11	6	allen screw M3x10	
12	6	allen screw M3x25	
13	12	shim	

**PECC – tools & spare parts**

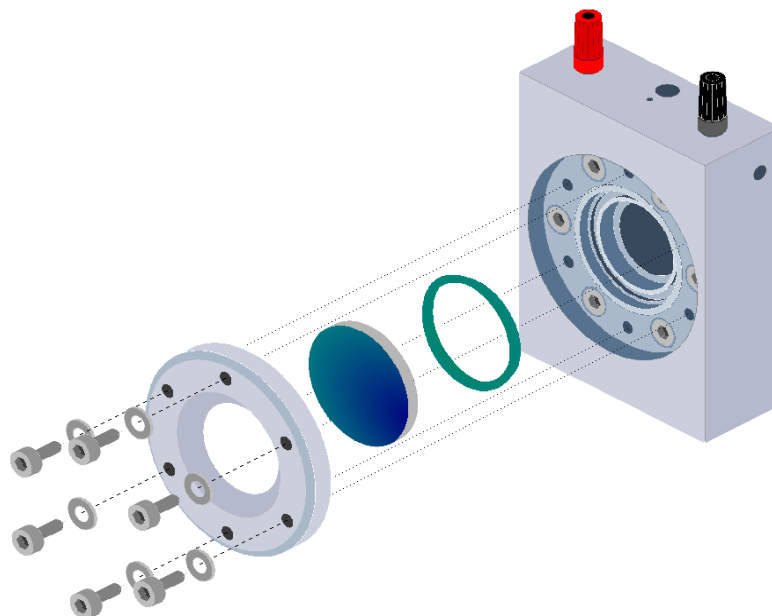
Position	Count	Description	Drawing / Picture
14	1	hex socket driver 1.5mm	
15	1	hex socket driver 2.0mm	
16	1	hex socket driver 2.5mm	
17	4	o-ring sealing 26x2	
18	4	o-ring sealing 22x2	

### **The counter electrode (CE)**



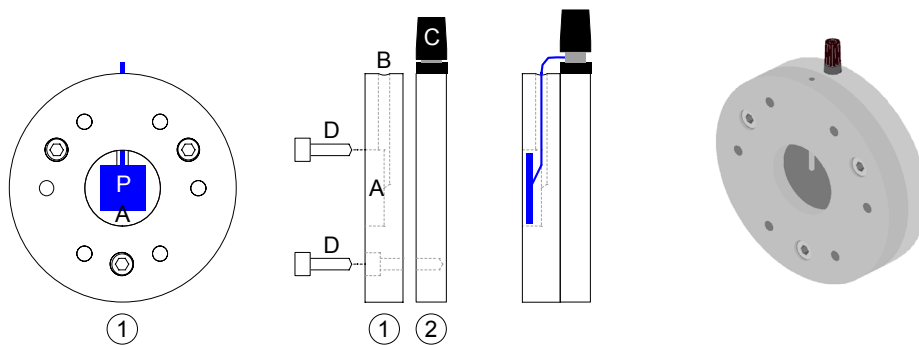
The Platinum counter electrode (CE) is located in the chamber behind the optical window. A 2mm drilling hole leads the wire to the top of the cell body. The electrode will be fastened to the red connector.

### **The optical window**



In order to mount the optical window place the green 26x2mm o-ring into the groove at the front of the cell. Place the window above the ring and fix the flange with 6 screws M3x12.

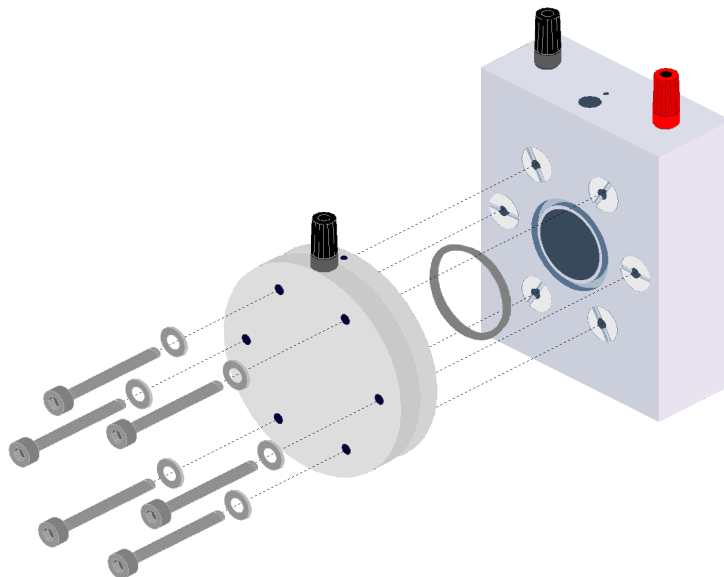
### The working electrode (WE)



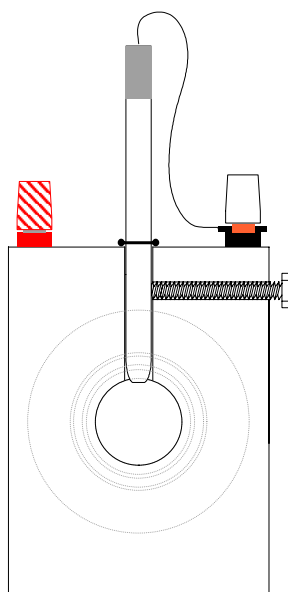
The working electrode consists of an insulating specimen holder (1, PTFE) and a conducting plate (2, Alu). The specimen holder and plate are fixed by 3 screws M3x10 (D). They can easily be screwed off for cleaning purposes.

Place the specimen (P) in the small basin (A) in the middle of the specimen holder and lead the electric contact (wire) through the hole (B). Finally, contact the wire to the black binding post (C) of the plate.

The working electrode will be mounted at the backside of the cell body using the black 22x2mm o-ring and 6 screws M3x25.



### The reference electrode (RE)



Place the Ag/AgCl reference electrode in the channel of 6mm in diameter located in the middle of the top of the cell body. Then either fix the depth by using the small o-ring or the plastic screw at the right of the cell. To connect the RE to the potentiostat the black binding post should be used.

Attention: When using the plastic screw to fix the reference electrode you should tighten it with very little force only. Tightening the screw too hard may damage the glass body of the RE.

### Dismounting the PECC

For cleaning purposes the PECC can totally be dismantled.

