

# Installation Guide

HKD 2.2  
HKD 2.2 DHT  
HKD 2.2 Tunnel

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**BRUNNER®**  
*made in germany.*

# CONTENTS

|          |                                                                                |           |
|----------|--------------------------------------------------------------------------------|-----------|
| <b>1</b> | <b>Basic informations.....</b>                                                 | <b>4</b>  |
| <b>2</b> | <b>Product description.....</b>                                                | <b>4</b>  |
| <b>3</b> | <b>Delivery contents.....</b>                                                  | <b>5</b>  |
| <b>4</b> | <b>Description of parts.....</b>                                               | <b>6</b>  |
| 4.1      | Support bearing (D003514).....                                                 | 6         |
| 4.2      | Body (D003671).....                                                            | 7         |
| 4.3      | Back panel (D003205).....                                                      | 8         |
| 4.4      | HKD 2.2 flat front kit complete assembly (D003211).....                        | 9         |
| 4.5      | HKD 2.2 round front kit complete assembly (D003365).....                       | 10        |
| 4.6      | Door with single glazing, flat, complete (D003656-X).....                      | 11        |
| 4.7      | Door with double glazing, flat, complete (D003629-X).....                      | 12        |
| 4.8      | Round door with single glazing complete assembly (D003657-X).....              | 13        |
| 4.9      | DHT front (D003408).....                                                       | 14        |
| 4.10     | DHT with single glazing (D010208-x).....                                       | 15        |
| 4.11     | DHT with double glazing (D010207-x).....                                       | 16        |
| 4.12     | Inner lining kit (10469).....                                                  | 17        |
| 4.13     | Inner linings for HKD 2.2 Tunnel (10470).....                                  | 18        |
| 4.14     | Inner linings extension kit (D003416).....                                     | 18        |
| 4.15     | Inner linings for HKD 2.2 DHT (10481).....                                     | 19        |
| 4.16     | Upper lining (10472BSO2).....                                                  | 19        |
| 4.17     | DHT door collar frame (D003473).....                                           | 20        |
| 4.18     | Cast iron turning dome, complete assembly (D009363).....                       | 20        |
| 4.19     | Flat cast iron dome (D003664).....                                             | 21        |
| 4.20     | Mounting ring MAS 440 (10077).....                                             | 22        |
| 4.21     | Mounting frame (D003542-X).....                                                | 22        |
| 4.22     | Mounting frame R330 (D003545-X).....                                           | 23        |
| 4.23     | Door finishing frame (10463, 10464).....                                       | 24        |
| 4.24     | Door finishing frame R380 black/stainless steel (10474 / 10475).....           | 25        |
| 4.25     | Door frame (10463, 10464).....                                                 | 25        |
| 4.26     | Black steel front plate 480x830 (10467).....                                   | 26        |
| 4.27     | Cast iron front plate 480x830 HKD 2.2f (10188).....                            | 27        |
| <b>5</b> | <b>Installation.....</b>                                                       | <b>28</b> |
| 5.1      | Connection combustion air.....                                                 | 29        |
| 5.2      | Mounting of the Iso- cover hood (10472).....                                   | 30        |
| 5.3      | Installation fire clay lining (10469).....                                     | 31        |
| 5.4      | Installation fire clay lining Tunnel (10470).....                              | 33        |
| 5.5      | Installation fire clay lining 2.2 DHT (additional door).....                   | 36        |
| 5.6      | Flue gas connection with rotatable cast dome with nozzle Ø180mm (D009363)..... | 40        |
| 5.7      | Flue gas connection with flat/lower cast dome (D003664).....                   | 41        |
| 5.8      | Flue gas connection with MAS.....                                              | 42        |
| 5.9      | Installation of the niche frame.....                                           | 43        |
| 5.10     | Installation of the mounting frame.....                                        | 44        |
| 5.11     | Installation of the door frame.....                                            | 46        |

|          |                                                    |           |
|----------|----------------------------------------------------|-----------|
| 5.12     | Installation of the front cast panel (10188).....  | 48        |
| 5.13     | Installation of the steel front panel (10467)..... | 48        |
| 5.14     | Installation of the air slide handle.....          | 50        |
| <b>6</b> | <b>Settings.....</b>                               | <b>51</b> |
| 6.1      | Combustion air HKD 2.2.....                        | 51        |
| 6.2      | Combustion air HKD 2.2 Tunnel.....                 | 51        |
| <b>7</b> | <b>Drawings and technical data.....</b>            | <b>52</b> |

Please also take note of the online product documentation provided by:



**[General instructions of the Brunner products installation for the stove construction.](https://www.brunner.de/produktdownloads/kachelofen-kamine/allgemeine-hinweise-fuer-den-aufbau_de.pdf)**

([https://www.brunner.de/produktdownloads/kachelofen-kamine/allgemeine-hinweise-fuer-den-aufbau\\_de.pdf](https://www.brunner.de/produktdownloads/kachelofen-kamine/allgemeine-hinweise-fuer-den-aufbau_de.pdf)) laden können.



# 1 BASIC INFORMATION



All instructions delivered with products must be observed. We do not accept any warranty claim or liability for damage resulting from failure to observe these installation instructions!  
Improper installation can cause injury and material damage!

The installation may only be carried out by a registered specialist.

Fireplaces equipped with a water boiler must be pressure-tested after hydraulic connection to the heating system. Masonry work may follow only after this pressure test. Ulrich Brunner GmbH does not cover any costs incurred by necessary dismantling of masonry for rework at water boiler installation or replacement of the boiler.

The floor space of the room must have a suitable structure and sufficient dimensions to ensure proper functioning of the fireplace.

Please note that other installation and assembly instructions are included in other packaging units!

Dimensioning of downstream heat accumulator must be according to valid stove-setting rules.

During installation of the fireplace, all dimensions and minimal clearances of the fireplace casing must be held as specified by the manufacturer.

Fireplaces that meet the requirements of DIN EN 13240 or DIN EN 13229 and that can only be operated as intended with closed combustion chamber door or that have a self-closing firebox door are suitable for multiple occupancy.

All binding national or EU standards and local regulations for the installation of fireplaces must be observed.

All valid stove fitting rules and regulations of local construction law must be observed and followed.

Please follow the relevant regulations of your country.

When these instructions are followed and all works are done properly, this will ensure a safe, energy-saving and environmentally friendly operation of the stove. Pictures shown are not to be considered as complete representations of any kind.

Subject to technical and assortment changes.

Please notify your supplier of any damage which might have occurred during transport.

Please keep these instructions.

# 2 PRODUCT DESCRIPTION

The fireplace has been approved according to EN 13229 and can be combined with a metallic radiator or ceramic accumulator for greater efficiency and heating power. It can be fitted with the optional electronic stove control system (EAS/EOS) at delivery or after the fireplace installation has been completed.

Combustion air can be supplied from outside by connecting to a separate air duct.

Avoid risk of overheating! If the fireplace temperature is often too high, this can cause discolorations, especially in the case of stainless steel frames. Such defects do not constitute a reason for a claim.

Combustion air is supplied through a provided connecting piece. The volume of air supplied for combustion can be controlled by using a combustion air regulator.

The HKD series are designed for closed installation without any vents (hypocaust principle). Design of a hypocaust must ensure uninterrupted transfer and even distribution of heat inside the casing, preventing all parts of the heating chamber from overheating. Dimensioning of heat projecting walls of the casing must be adjusted to performance data of the heating device. Thickness of insulation for building walls surrounding the fireplace stated in technical data has been determined during continuous operation with open air vents (safety test according to EN 13229 - heat transfer coefficient of the tested wall at 0,7 W/m<sup>2</sup>K), and must be amended accordingly for different conditions (for example, by providing air ventilation for walls).

When installing electric or electronic parts (controllers, sensors, cables...) or water-conducting parts, please consider the max. permitted surrounding temperatures for these components.

You can optionally equip or retrofit the fireplace with the (EOS/EAS) electronic control device.

The heating insert provides the possibility that the side hinged door can be converted at any time from right side to left side even in already installed state. For this you will need a conversion kit. The necessary steps are explained in the conversion kit enclosed instructions. Without this conversion kit you can not change the door hinge!

|                                      | with metallic radiator             | with ceramic accumulator           | with Kesselmodul <sup>(*1)</sup> |
|--------------------------------------|------------------------------------|------------------------------------|----------------------------------|
| Designation                          | EN 13229 W                         | EN 13229 WA                        | EN 13229 WA                      |
| Max. load of firewood                | HKD 2.2: 4 kg<br>HKD 2.2 K: 2.5 kg | HKD 2.2: 4 kg<br>HKD 2.2 K: 2.5 kg | HKD 2.2: 4 kg<br>HKD 2.2 K: -    |
| DIN Plus                             | yes                                | yes                                | yes                              |
| Multiple devices on single flue (*2) | yes                                | yes                                | no                               |

(\*1) a damper flap must be installed

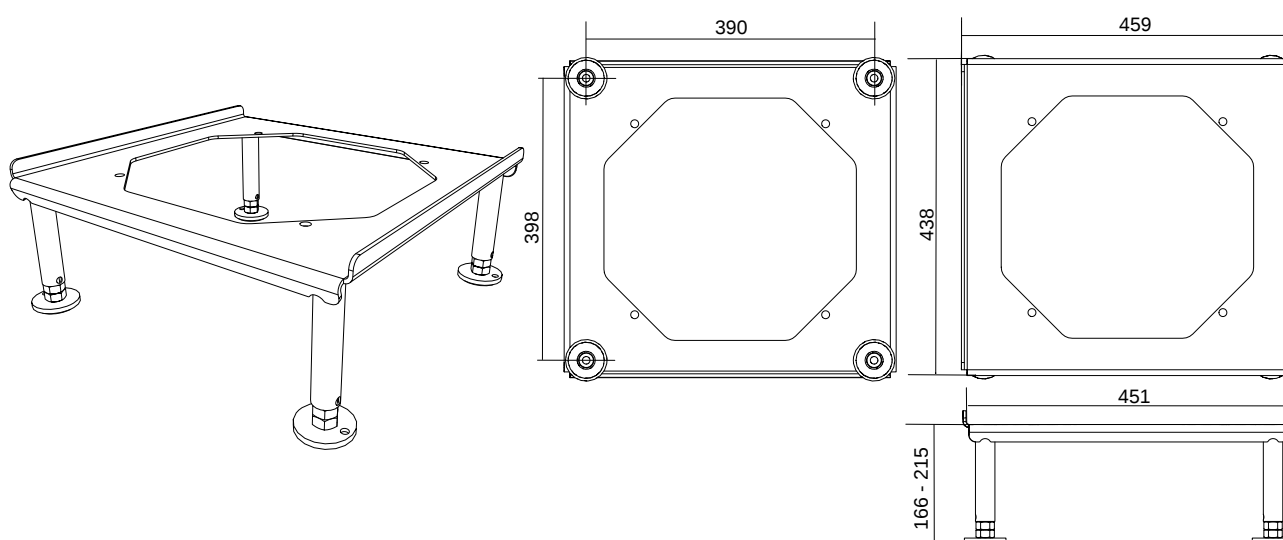
(\*2) only for versions with self-closing firing door

### 3 DELIVERY CONTENTS

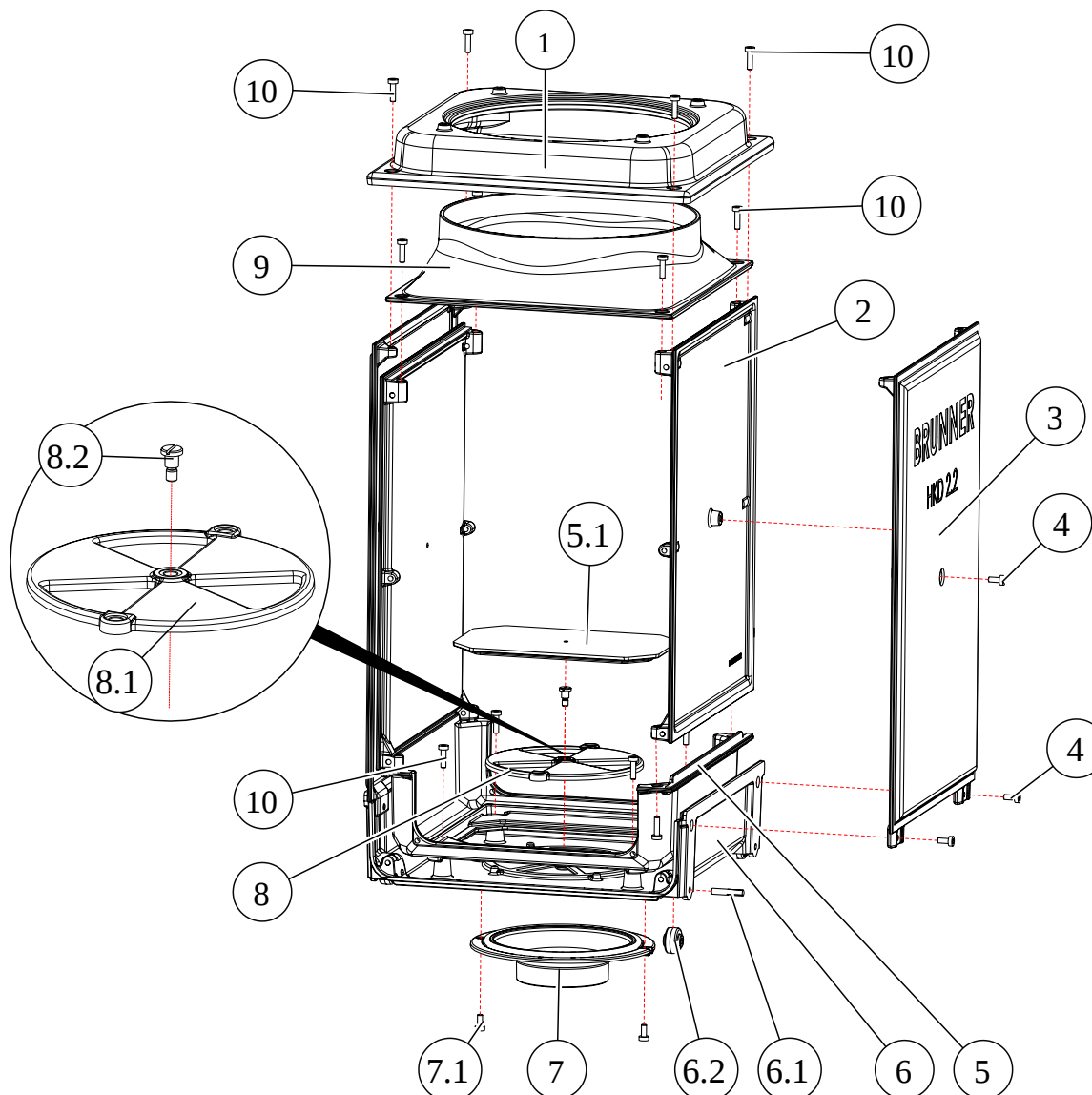
The delivery consists of different packaging units depending on the configuration of the system.

## 4 DESCRIPTION OF PARTS

### 4.1 SUPPORT BEARING (D003514)

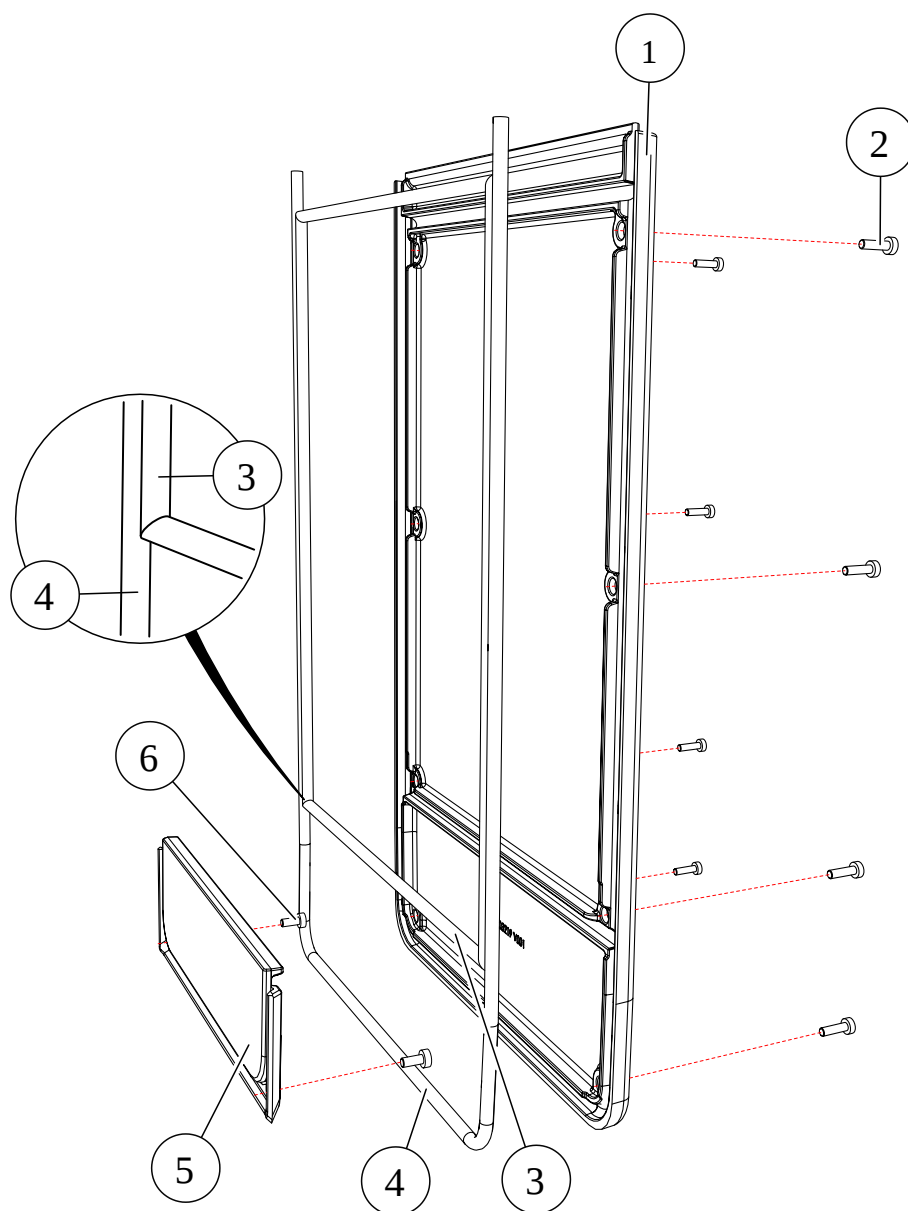


## 4.2 BODY (D003671)



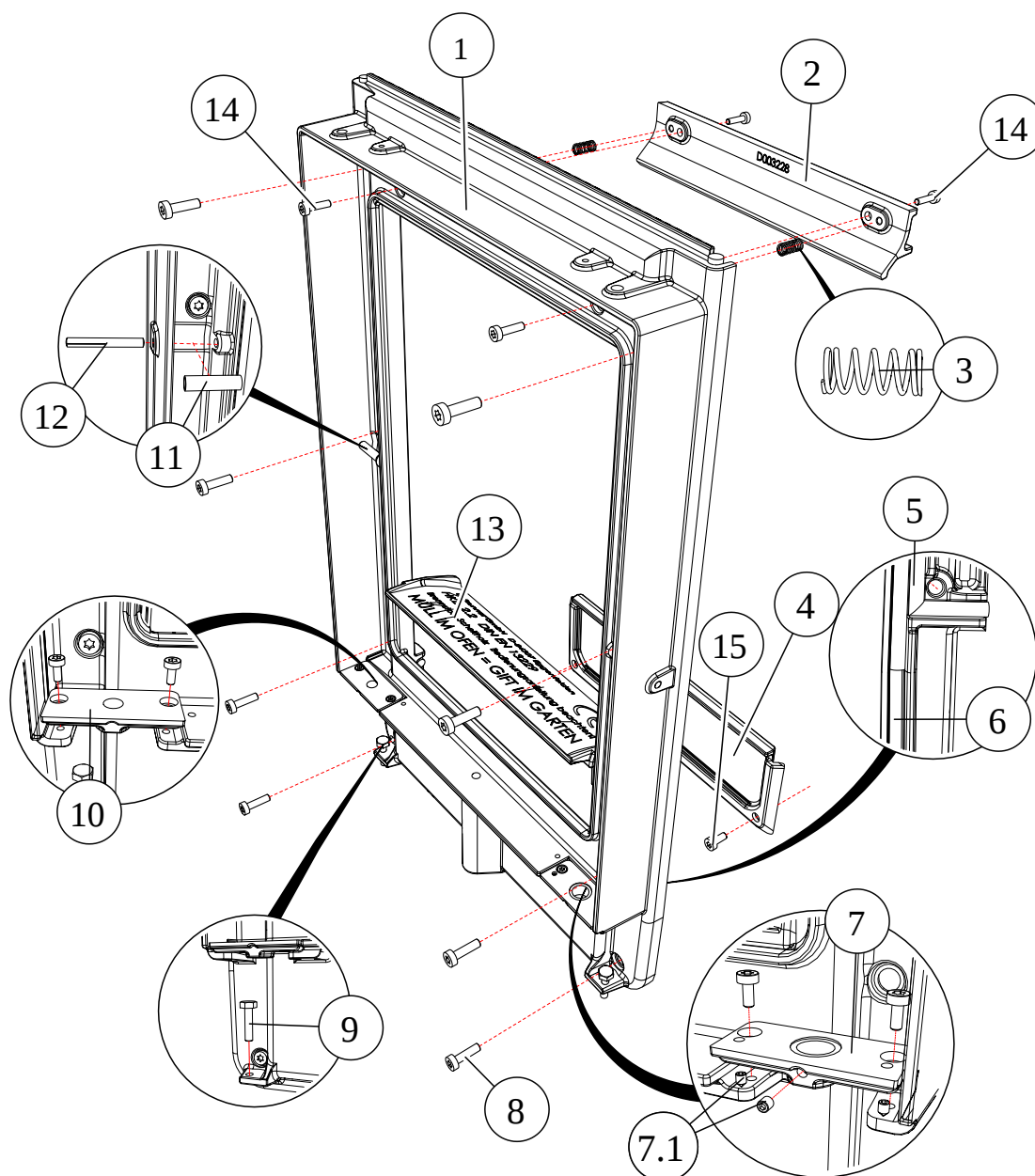
| Item | Part No. | Designation                        | No. | Item | Part No. | Designation                        | No. |
|------|----------|------------------------------------|-----|------|----------|------------------------------------|-----|
| 1    | D003207  | Hood assembly                      | 1   | 6.2  | D003246  | Transport roller                   | 4   |
| 2    | D003206  | Inner wall assembly                | 2   | 7    | D003203  | Combustion air connection assembly | 1   |
| 3    | D003220  | Side wall                          | 2   | 7.1  | 02522    | Torx cylinder screw M8x16          | 2   |
| 4    | 02522    | Torx cylinder screw M8x16          | 6   | 8    | D003240  | Combustion air turntable assembly  | 1   |
| 5    | D003326  | Intermediate bottom plate assembly | 1   | 8.1  | D003221  | Combustion air turntable           | 1   |
| 5.1  | D003276  | Short revision cover               | 1   | 8.2  | 800168   | Flat head screw M8x10              | 1   |
| 6    | D003202  | HKD 2.2 bottom plate assembly      | 1   | 9    | D003225  | Inner hood                         | 1   |
| 6.1  | 800124   | Grooved pin                        | 4   | 10   | 02523    | Cylinder screw M8x25               | 16  |

## 4.3 BACK PANEL (D003205)



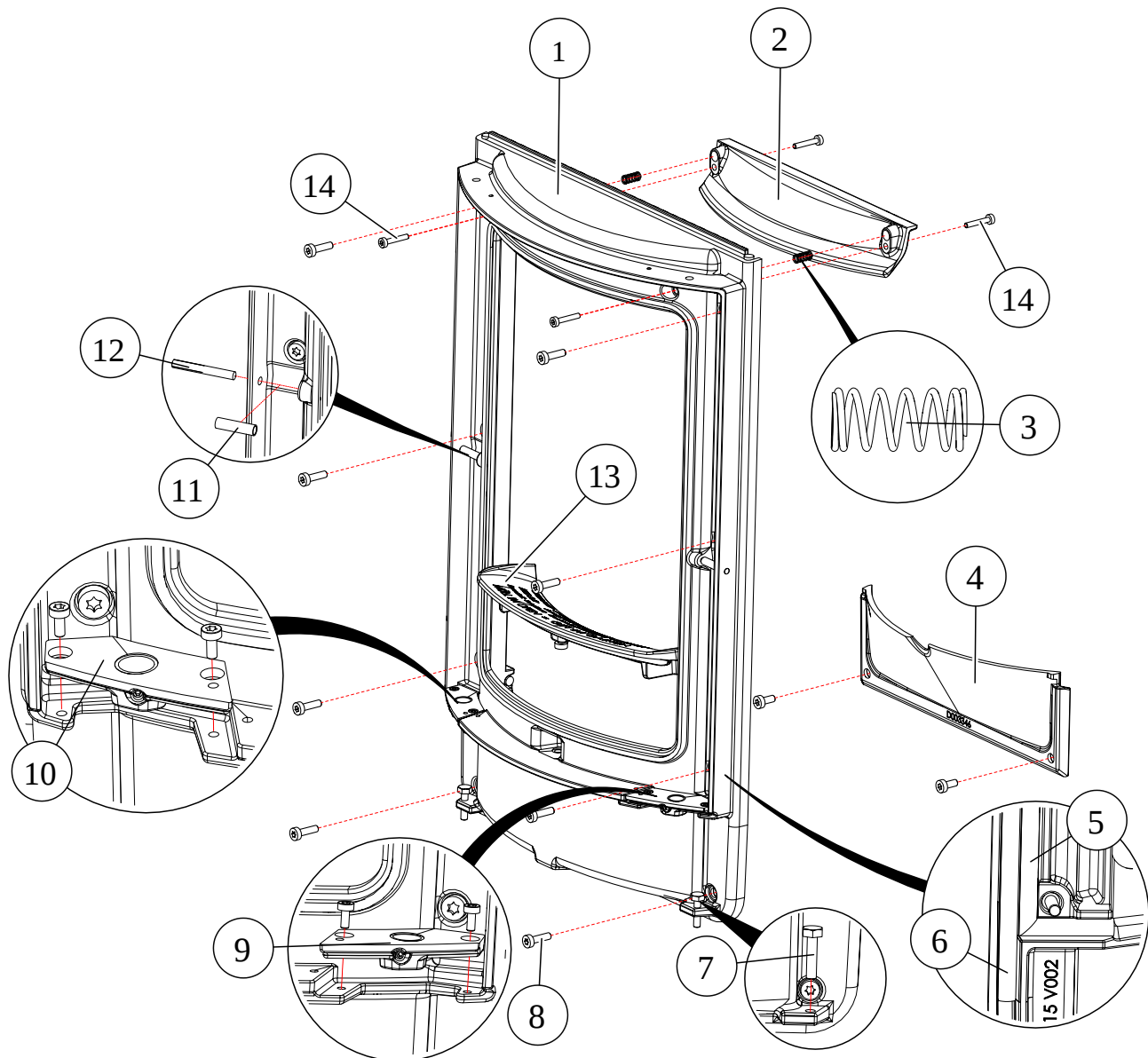
| Item | Part No. | Designation             | No. | Item | Part No. | Designation                   | No. |
|------|----------|-------------------------|-----|------|----------|-------------------------------|-----|
| 1    | D003219  | Back panel              | 1   | 4    | D003300  | Back panel front sealing rope | 1   |
| 2    | 02523    | Cylinder screw M8x25    | 8   | 5    | D003325  | Flat front connection plate   | 1   |
| 3    | D003301  | Back panel sealing rope | 1   | 6    | 02522    | Cylinder screw M8x16          | 2   |

## 4.4 HKD 2.2 FLAT FRONT KIT COMPLETE ASSEMBLY (D003211)



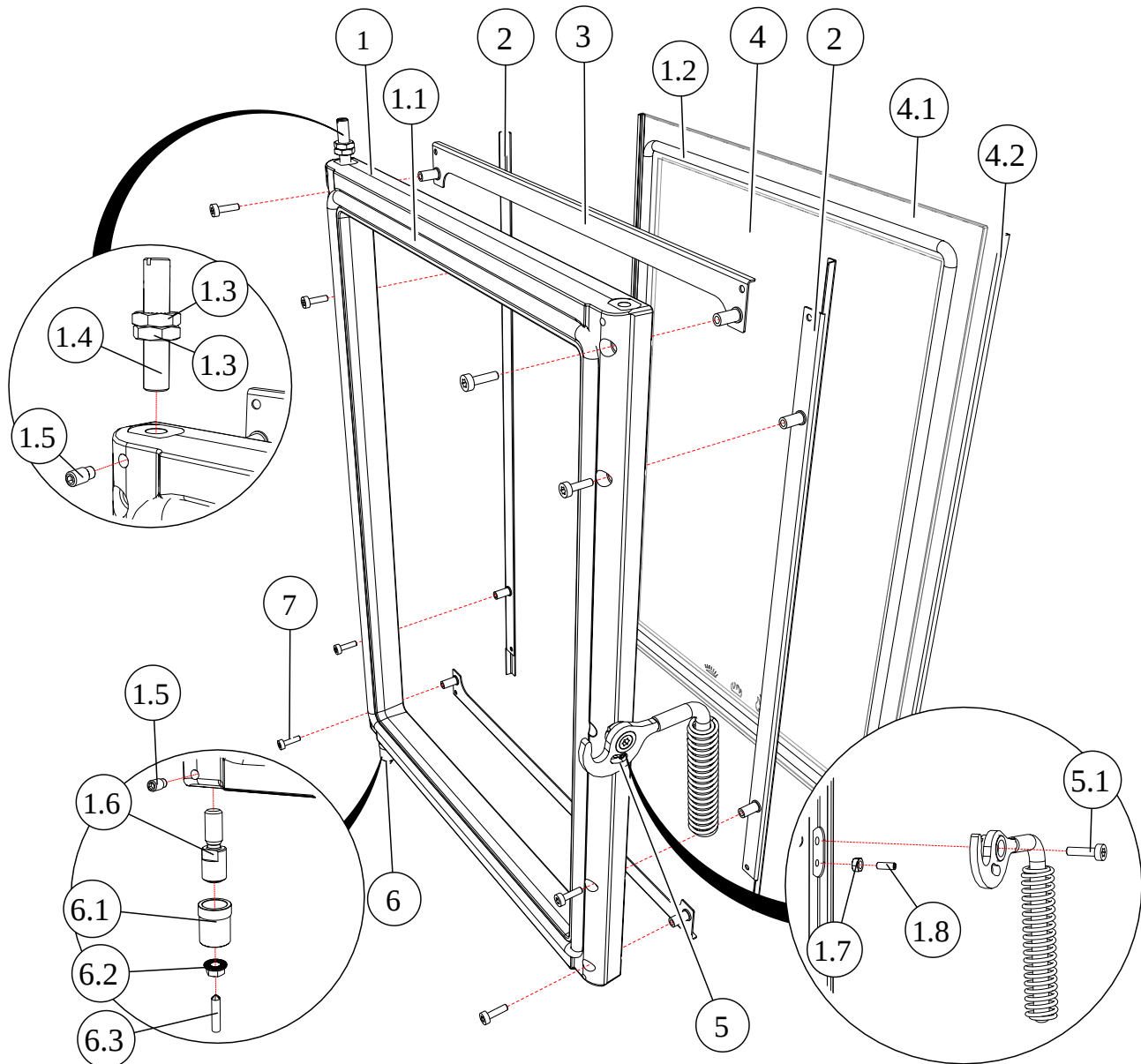
| Item | Part No. | Designation                   | No. | Item | Part No. | Designation                       | No. |
|------|----------|-------------------------------|-----|------|----------|-----------------------------------|-----|
| 1    | D003218  | Front                         | 1   | 8    | 02523    | Torx cylinder screw M8x25         | 8   |
| 2    | D003228  | Air adjuster                  | 1   | 9    | 00610    | Hexagon screw M8x30               | 2   |
| 3    | D003210  | Air inlet spring              | 2   | 10   | D003488  | HKD2.2 door switch mount assembly | 1   |
| 4    | D003325  | Flat front connection plate   | 1   | 11   | 01948    | Handle roller                     | 2   |
| 5    | D003302  | Front sealing rope            | 2   | 12   | 800050   | Grooved pin M6x50                 | 2   |
| 6    | D003300  | Back panel front sealing rope | 1   | 13   | D003212  | HKD2.2 text plate assembly        | 1   |
| 7    | D003263  | Hinge mount assembly          | 1   | 14   | 800058   | Torx cylinder screw M6x20         | 4   |
| 7.1  | 02152    | Threaded pin M5x6             | 3   | 15   | 02522    | Torx cylinder screw M8x16         | 2   |

## 4.5 HKD 2.2 ROUND FRONT KIT COMPLETE ASSEMBLY (D003365)



| Item | Part No. | Designation                   | No. | Item | Part No. | Designation                               | No. |
|------|----------|-------------------------------|-----|------|----------|-------------------------------------------|-----|
| 1    | D003315  | Round front                   | 1   | 8    | 02523    | Torx cylinder screw M8x25                 | 8   |
| 2    | D003332  | Air adjuster for round front  | 1   | 9    | D003386  | Right side hinge mount assembly for round | 1   |
| 3    | D003210  | Air inlet spring              | 2   | 10   | D003387  | Left side hinge mount assembly for round  | 1   |
| 4    | D003346  | Round front connection plate  | 1   | 11   | 01948    | Handle roller                             | 2   |
| 5    | D003302  | Front sealing rope            | 2   | 12   | 800050   | Grooved pin M6x50                         | 2   |
| 6    | D003300  | Back panel front sealing rope | 1   | 13   | D003385  | Round front text plate assembly           | 1   |
| 7    | 800118   | Hexagon screw M8x30           | 2   | 14   | 800051   | Torx cylinder screw M6x30                 | 4   |

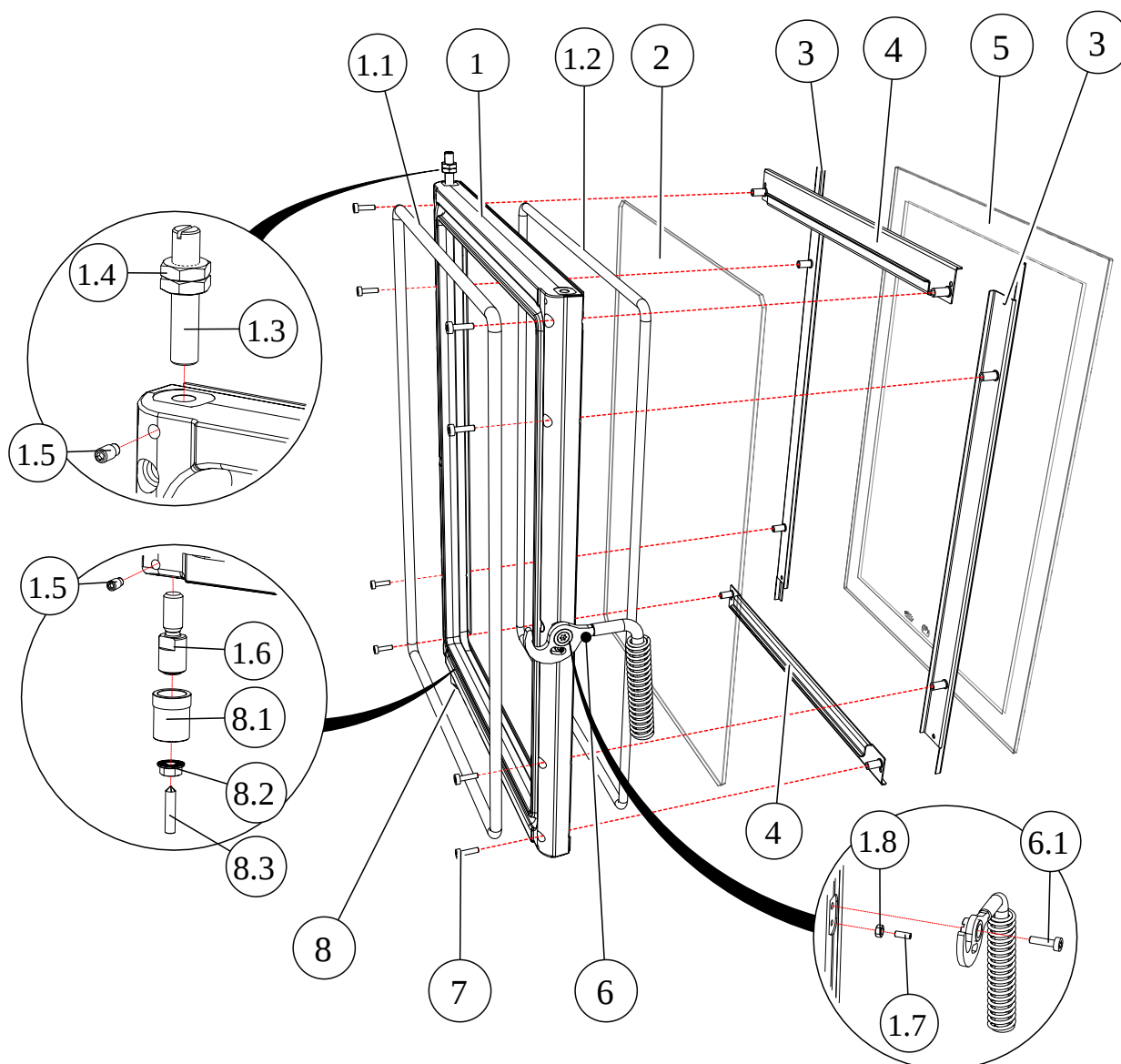
## 4.6 DOOR WITH SINGLE GLAZING, FLAT, COMPLETE (D003656-X)



| Item | Part No. | Designation                              | No. | Item | Part No.  | Designation                                  | No. |
|------|----------|------------------------------------------|-----|------|-----------|----------------------------------------------|-----|
| 1    | D003418  | Flat door frame assembly, single glazing | 1   | 4    | D003490-X | Glass pane assembly, single glazing          | 1   |
| 1.1  | D003307  | HKD2.2 door sealing rope                 | 1   | 4.1  | D003200-X | Glass pane with black / stainless steel edge | 1   |
| 1.2  | D003425  | Flat door sealing rope, single glazing   | 1   | 4.2  | D003489   | Glass pane sealing tape                      | 2   |
| 1.3  | 02094    | Hexagon nut M8 flat                      | 2   | 5    | 02056     | Door handle assembly                         | 1   |
| 1.4  | D003267  | Upper hinge bolt                         | 1   | 5.1  | 800221    | Cylinder screw M6x20                         | 1   |
| 1.5  | 00734    | Threaded pin M5x8                        | 2   | 6    | D003364   | Door pin seat assembly                       | 1   |
| 1.6  | D003658  | Hinge bolt                               | 1   | 6.1  | D003351   | Door pin seat                                | 1   |
| 1.7  | 800216   | Hexagon nut M5                           | 1   | 6.2  | 900276    | Ripp lock nut M5                             | 1   |

| Item | Part No.  | Designation                            | No. | Item | Part No. | Designation               | No. |
|------|-----------|----------------------------------------|-----|------|----------|---------------------------|-----|
| 1.8  | 800071    | Threaded pin M5x12                     | 1   | 6.3  | 800077   | Threaded pin M5x20        | 1   |
| 2    | D003422-X | Single glass holding frame left-right  | 2   | 7    | 02095    | Torx cylinder screw M5x16 | 8   |
| 3    | D003424-X | Single glass upper-lower holding frame | 2   |      |          |                           |     |

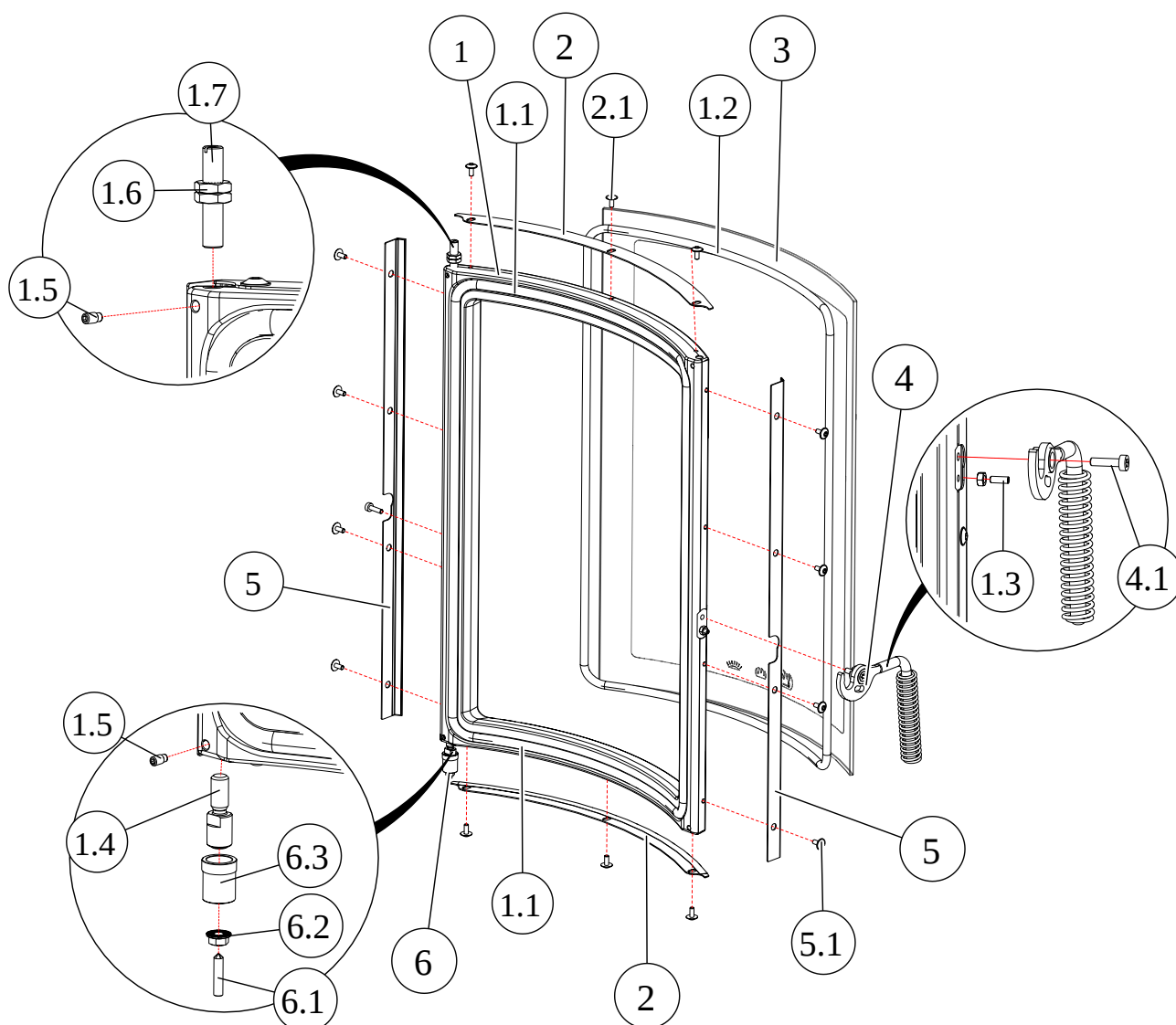
## 4.7 DOOR WITH DOUBLE GLAZING, FLAT, COMPLETE (D003629-X)



| Item | Part No. | Designation                      | No. | Item | Part No.  | Designation                    | No. |
|------|----------|----------------------------------|-----|------|-----------|--------------------------------|-----|
| 1    | D003214  | Door frame                       | 1   | 3    | D003256-X | Glass pane holding bracket     | 2   |
| 1.1  | D003306  | Double glazing door sealing rope | 1   | 4    | D003255   | Inner glass pane holding frame | 2   |
| 1.2  | D003307  | HKD2.2 door sealing rope         | 1   | 5    | D003200-X | Glass pane                     | 1   |
| 1.3  | D003267  | Upper hinge bolt                 | 1   | 6    | 02056     | Door handle assembly           | 1   |
| 1.4  | 02094    | Hexagon nut M8 flat              | 2   | 6.1  | 800221    | Cylinder screw M6x20           | 1   |

| Item | Part No. | Designation       | No. | Item | Part No. | Designation               | No. |
|------|----------|-------------------|-----|------|----------|---------------------------|-----|
| 1.5  | 00734    | Threaded pin M5x8 | 2   | 7    | 02095    | Torx cylinder screw M5x16 | 8   |
| 1.6  | D003658  | Hinge bolt        | 1   | 8    | D003364  | Door pin seat assembly    | 1   |
| 1.7  | 800071   | Threaded pin      | 1   | 8.1  | D003351  | Door pin seat             | 1   |
| 1.8  | 800216   | Hexagon nut M5    | 1   | 8.2  | 900276   | Ripp lock nut M5          | 1   |
| 2    | D003252  | Inner glass pane  | 1   | 8.3  | 800077   | Threaded pin M5x20        | 1   |

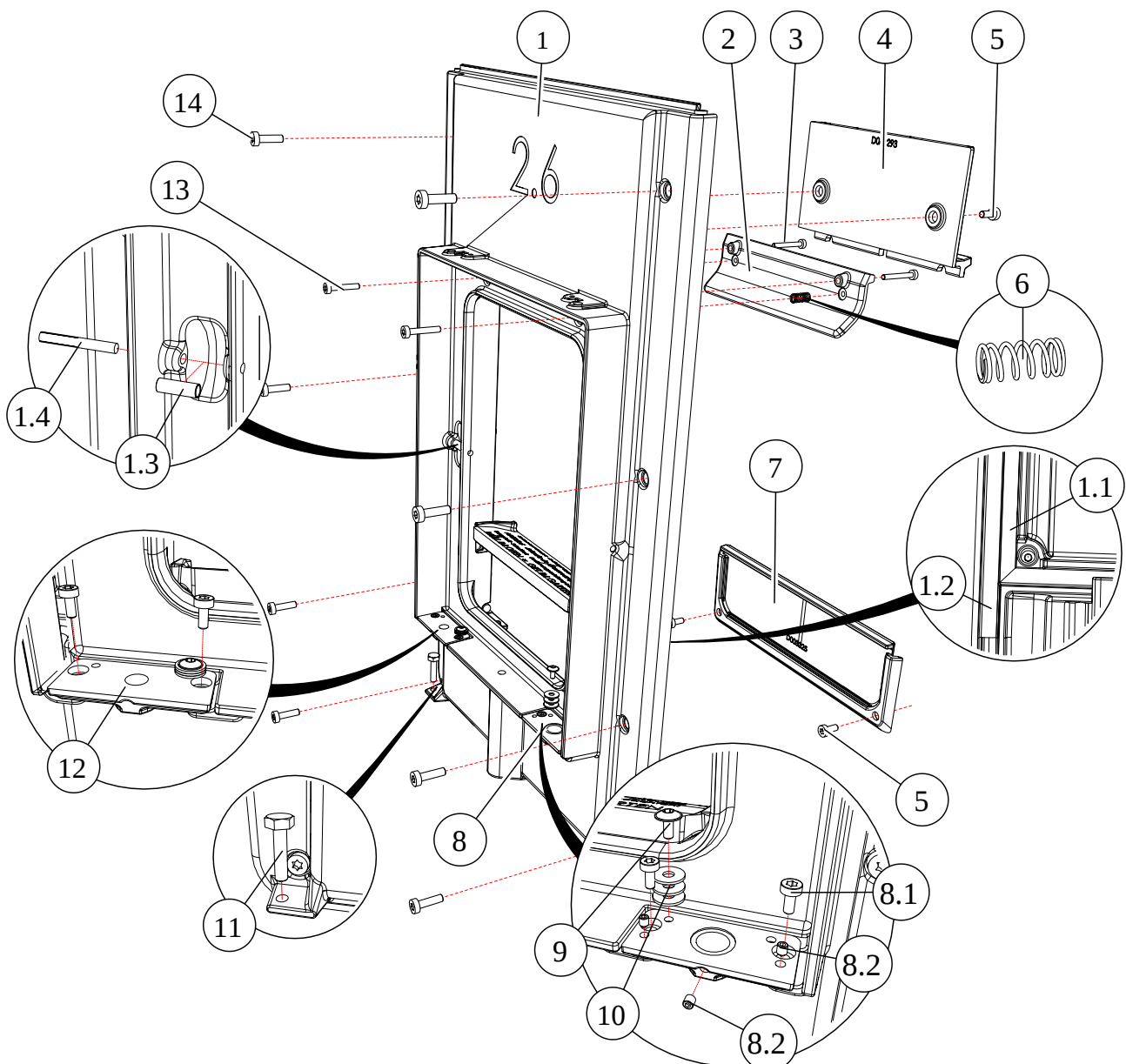
## 4.8 ROUND DOOR WITH SINGLE GLAZING COMPLETE ASSEMBLY (D003657-X)



| Item | Part No. | Designation               | No. | Item | Part No.  | Designation               | No. |
|------|----------|---------------------------|-----|------|-----------|---------------------------|-----|
| 1    | D003378  | Round door frame assembly | 1   | 3    | D003317-X | Round glass pane          | 1   |
| 1.1  | D003368  | Round door seal           | 1   | 4    | 02056     | Door handle               | 1   |
| 1.2  | D003367  | Round single glass seal   | 1   | 4.1  | 800221    | Torx cylinder screw M6x20 | 1   |

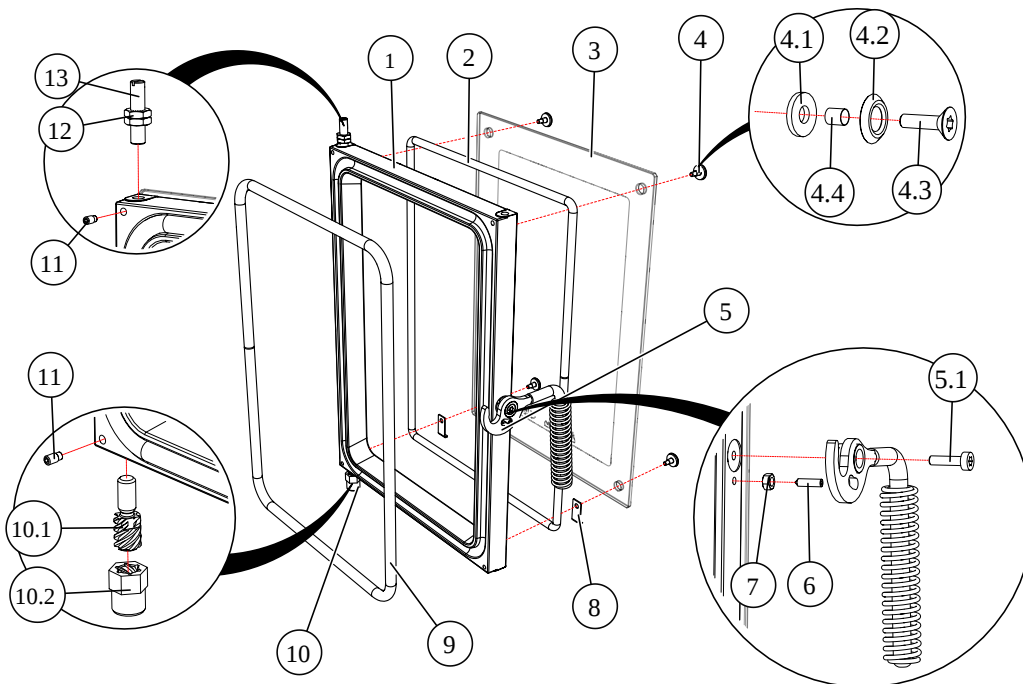
| Item | Part No.  | Designation                             | No. | Item | Part No.  | Designation                             | No. |
|------|-----------|-----------------------------------------|-----|------|-----------|-----------------------------------------|-----|
| 1.3  | 800071    | Threaded pin M5x12                      | 1   | 5    | D003491-X | Round glass left holding bar            | 2   |
| 1.4  | D003658   | Hinge bolt                              | 1   | 5.1  | 02581     | Torx screw with lens flanged head M5x10 | 6   |
| 1.5  | 00734     | Threaded pin M5x8                       | 2   | 6    | D003364   | Door pin seat                           | 1   |
| 1.6  | 02094     | Hexagon nut M8                          | 2   | 6.1  | 800077    | Threaded pin M5x20                      | 1   |
| 1.7  | D003267   | Upper hinge bolt                        | 1   | 6.2  | 900276    | Ripp lock nut M5                        | 1   |
| 2    | D003506-X | Round single glass holding bar          | 2   | 6.3  | D003351   | Door pin seat                           | 1   |
| 2.1  | 02581     | Torx screw with lens flanged head M5x10 | 6   |      |           |                                         |     |

## 4.9 DHT FRONT (D003408)



| Item | Part No. | Designation                   | No. | Item | Part No. | Designation                             | No. |
|------|----------|-------------------------------|-----|------|----------|-----------------------------------------|-----|
| 1    | D003407  | 2.6 front assembly            | 1   | 7    | D003325  | Flat front connection plate             | 1   |
| 1.1  | D003409  | 2.6 front sealing rope        | 2   | 8    | D003486  | HKD2.6 hinge mount assembly             | 1   |
| 1.2  | D003300  | Back panel front sealing rope | 1   | 8.1  | 800049   | Cylinder screw M5x10                    | 4   |
| 1.3  | 02055    | Handle roller                 | 2   | 8.2  | 02152    | Threaded pin M5x6                       | 5   |
| 1.4  | 800050   | Grooved pin M6x50             | 2   | 9    | 02581    | Torx screw with lens flanged head M5x10 | 2   |
| 2    | D003413  | 2.6 air adjuster              | 1   | 10   | 00633    | Glass pane                              | 6   |
| 3    | 800052   | Cylinder screw M6x40          | 2   | 11   | 00610    | Hexagon screw M8x30                     | 2   |
| 4    | D003293  | HKD2.6 air duct cover         | 1   | 12   | D003487  | HKD2.6 door switch mount assembly       | 1   |
| 5    | 02522    | Torx cylinder screw M8x16     | 4   | 13   | 800051   | Torx cylinder screw M6x30               | 2   |
| 6    | D003210  | Air inlet spring              | 2   | 14   | 02523    | Torx cylinder screw M8x25               | 8   |

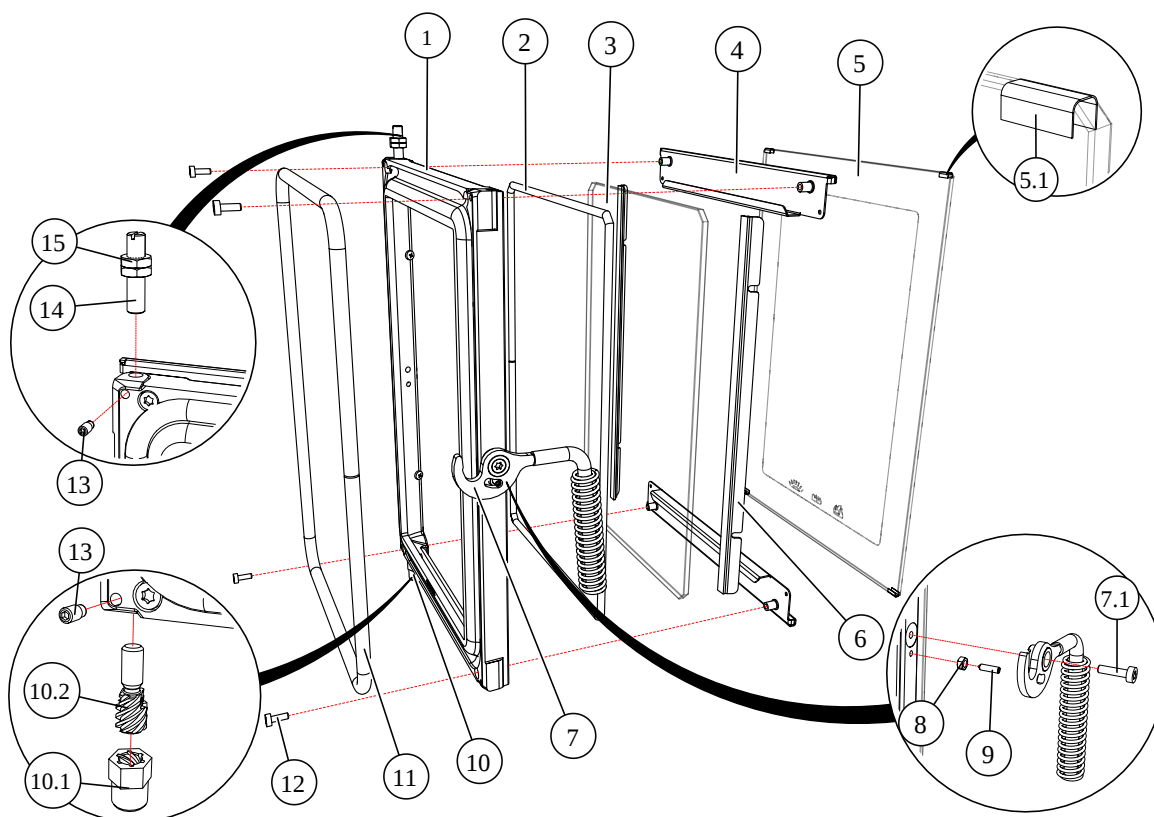
#### 4.10 DHT WITH SINGLE GLAZING (D010208-X)



| Item | Part No.       | Designation                                      | No. | Item | Part No. | Designation                             | No. |
|------|----------------|--------------------------------------------------|-----|------|----------|-----------------------------------------|-----|
| 1    | 08284          | Single glass door frame                          | 1   | 6    | 01116    | Threaded pin M5x16                      | 1   |
| 2    | D010181        | Single glass door sealing rope                   | 1   | 7    | 800216   | Hexagon nut M5                          | 1   |
| 3    | 02197<br>02198 | External glass with black / stainless steel edge | 1   | 8    | 02207    | HKD-6 glass holder                      | 2   |
| 4    | D010221-X      | Glass pane fixing screw assembly                 | 4   | 9    | D010173  | Front door frame sealing rope           | 1   |
| 4.1  | 00969          | Isolating plate                                  | 4   | 10   | 900125   | Trapezoid thread lifting hinge assembly | 1   |

| Item | Part No.       | Designation                                         | No. | Item | Part No. | Designation                              | No. |
|------|----------------|-----------------------------------------------------|-----|------|----------|------------------------------------------|-----|
| 4.2  | 01839<br>01840 | Screw cup washer 8-16 for black / stainless steel   | 4   | 10.1 | D009348  | Trapezoid hinge bolt                     | 1   |
| 4.3  | 01836<br>01837 | Countersunk screw M5x16 for black / stainless steel | 4   | 10.2 | D009347  | Trapezoidal threaded sleeve with hexagon | 1   |
| 4.4  | 01842          | Fabric hose                                         | 4   | 11   | 00734    | Threaded pin M5x8                        | 2   |
| 5    | 02056          | Door handle assembly M16                            | 1   | 12   | 800130   | Hexagon nut M8                           | 2   |
| 5.1  | 800221         | Torx cylinder screw M6x20                           | 1   | 13   | 02057    | Upper hinge bolt                         | 1   |

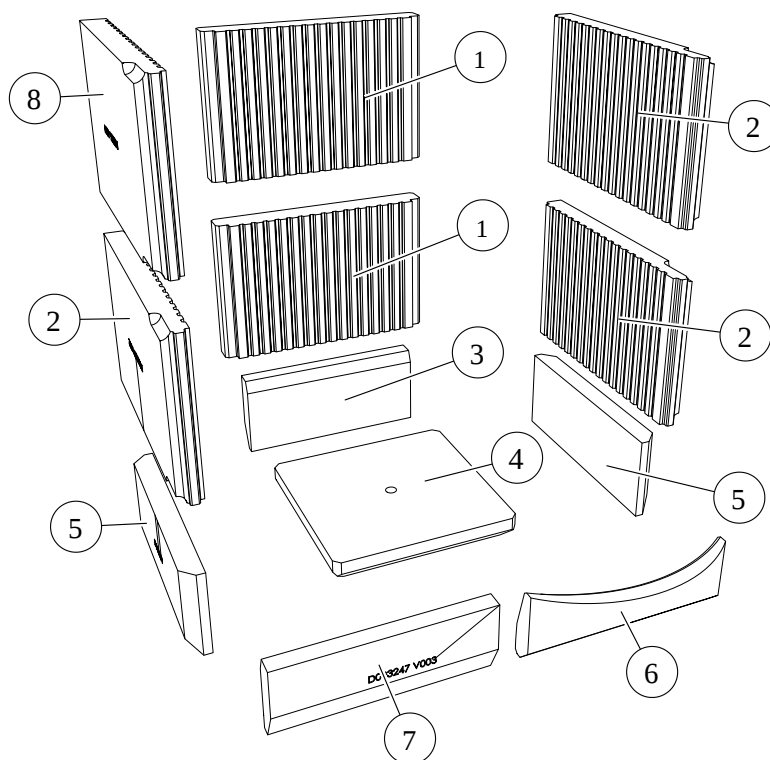
## 4.11 DHT WITH DOUBLE GLAZING (D010207-X)



| Item | Part No.  | Designation                              | No. | Item | Part No. | Designation                              | No. |
|------|-----------|------------------------------------------|-----|------|----------|------------------------------------------|-----|
| 1    | 08254     | Double glass door frame                  | 1   | 9    | 01116    | Threaded pin M5x16                       | 1   |
| 2    | D010175   | Double glass door frame sealing rope     | 1   | 10   | 900125   | Trapezoid thread lifting hinge assembly  | 1   |
| 3    | 02069     | Inner glass pane                         | 1   | 10.1 | D009347  | Trapezoidal threaded sleeve with hexagon | 1   |
| 4    | D010219-X | Holding bracket complete assembly        | 2   | 10.2 | D009348  | Trapezoid hinge bolt                     | 1   |
| 5    | D010220-X | External glass pane assembly with seal   | 1   | 11   | D010173  | Front door frame sealing rope            | 1   |
| 5.1  | D009324   | Glass pane holding bracket sealing tape  | 4   | 12   | 800307   | Cylinder screw TX25 M5x12                | 4   |
| 6    | D010218   | Clamping rail assembly with sealing tape | 2   | 13   | 00734    | Threaded pin M5x8                        | 2   |

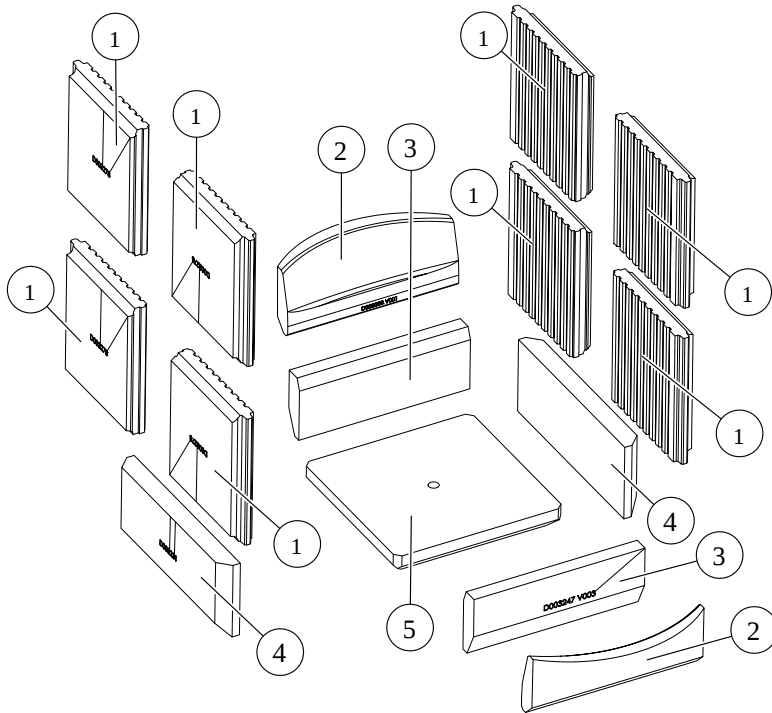
| Item | Part No. | Designation               | No. | Item | Part No. | Designation      | No. |
|------|----------|---------------------------|-----|------|----------|------------------|-----|
| 7    | 02056    | Door handle assembly M16  | 1   | 14   | 02057    | Upper hinge bolt | 1   |
| 7.1  | 800221   | Torx cylinder screw M6x16 | 1   | 15   | 800130   | Hexagon nut M8   | 2   |
| 8    | 800216   | Hexagon nut M5            | 1   |      |          |                  |     |

## 4.12 INNER LINING KIT (10469)



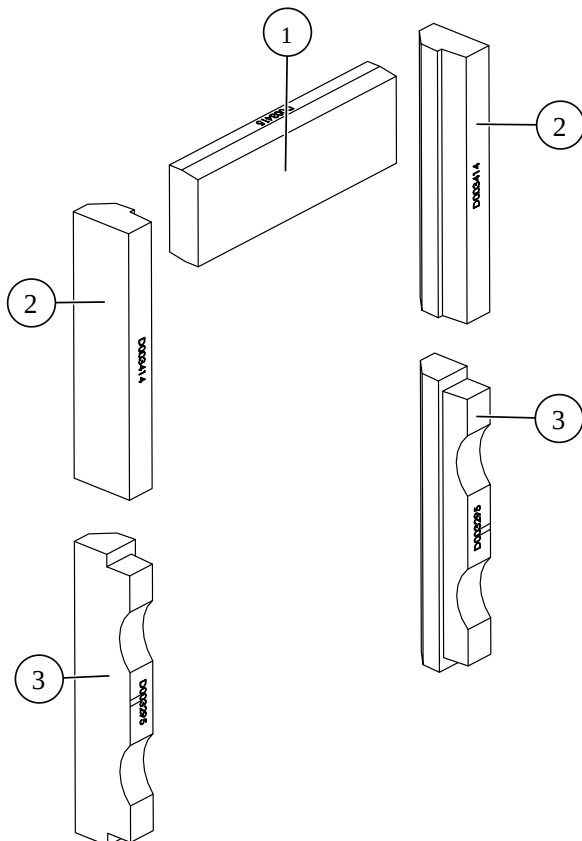
| Item | Part No. | Designation                      | No. |
|------|----------|----------------------------------|-----|
| 1    | D003234  | Chamotte back wall               | 2   |
| 2    | D003233  | Chamotte sidewall                | 3   |
| 3    | D003230  | Rear wedge                       | 1   |
| 4    | D003232  | Bottom plate                     | 1   |
| 5    | D003231  | Side wedge                       | 2   |
| 6    | D003330  | Round front wedge<br>(for round) | 1   |
| 7    | D003247  | Front wedge<br>(for flat)        | 1   |
| 8    | D003266  | Chamotte sidewall                | 1   |

#### 4.13 INNER LININGS FOR HKD 2.2 TUNNEL (10470)



| Item | Part No. | Designation           | No. |
|------|----------|-----------------------|-----|
| 1    | D003278  | Chamotte sidewall "T" | 8   |
| 2    | D003330  | Front wedge round     | 2   |
| 3    | D003247  | Flat front wedge      | 2   |
| 4    | D003231  | Side wedge            | 2   |
| 5    | D003232  | Bottom plate          | 1   |

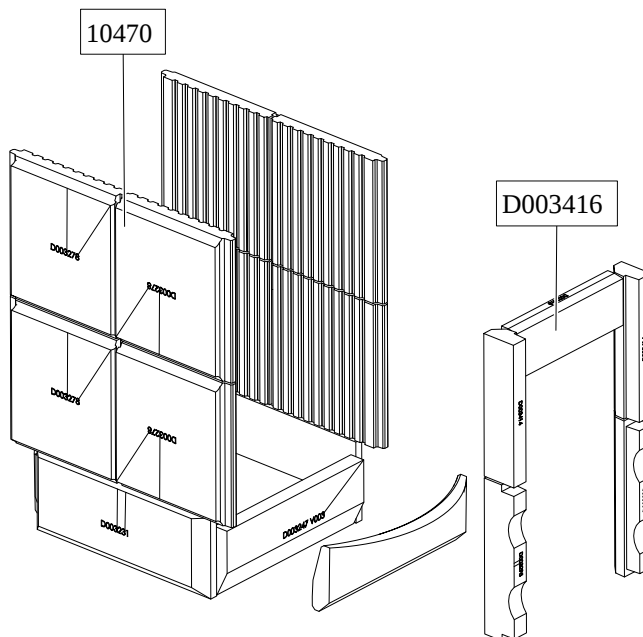
#### 4.14 INNER LININGS EXTENSION KIT (D003416)



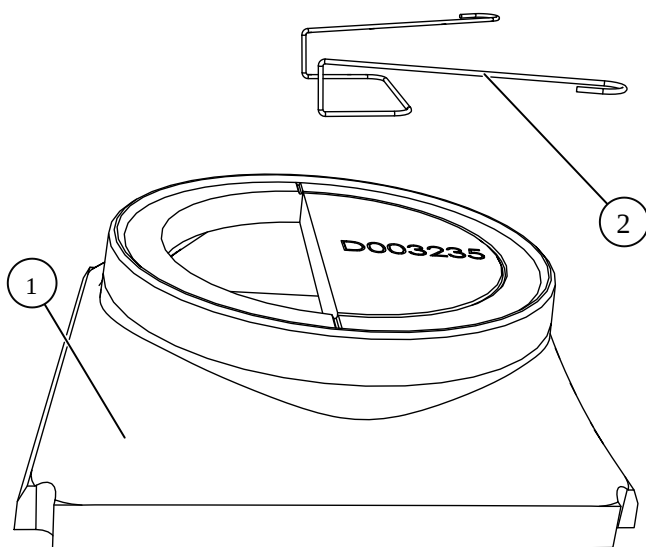
| Item | Part No. | Designation                      | No. |
|------|----------|----------------------------------|-----|
| 1    | D003415  | HKD2.6 air distributor cover     | 1   |
| 2    | D003414  | HKD2.6 upper door mounting stone | 2   |
| 3    | D003295  | HKD2.6 door mounting stone       | 2   |

## 4.15 INNER LININGS FOR HKD 2.2 DHT (10481)

= Inner linings for HKD 2.2 Tunnel (10470)  
+ additional part: HKD 2.6 combustion chamber parts (D003416)

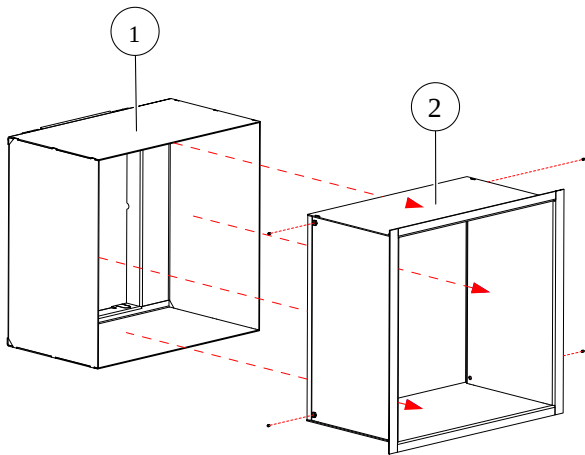


## 4.16 UPPER LINING (10472BSO2)



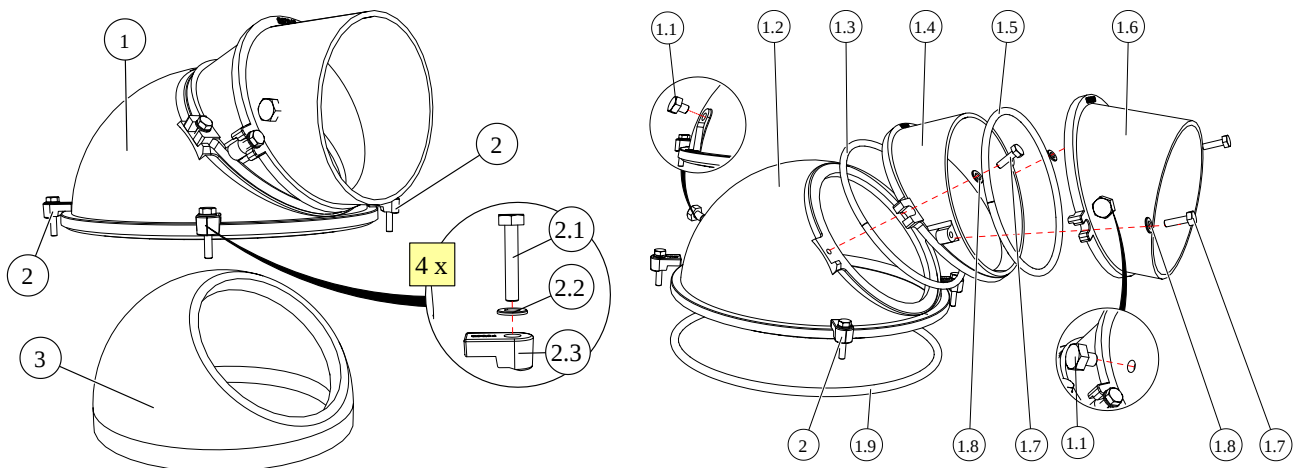
| Item | Part No. | Designation                                   | No. |
|------|----------|-----------------------------------------------|-----|
| 1    | D003235  | Upper lining for hood                         | 1   |
| 2    | D003536  | Mounting aid for ceramic fibre insulation 2.2 | 1   |

## 4.17 DHT DOOR COLLAR FRAME (D003473)



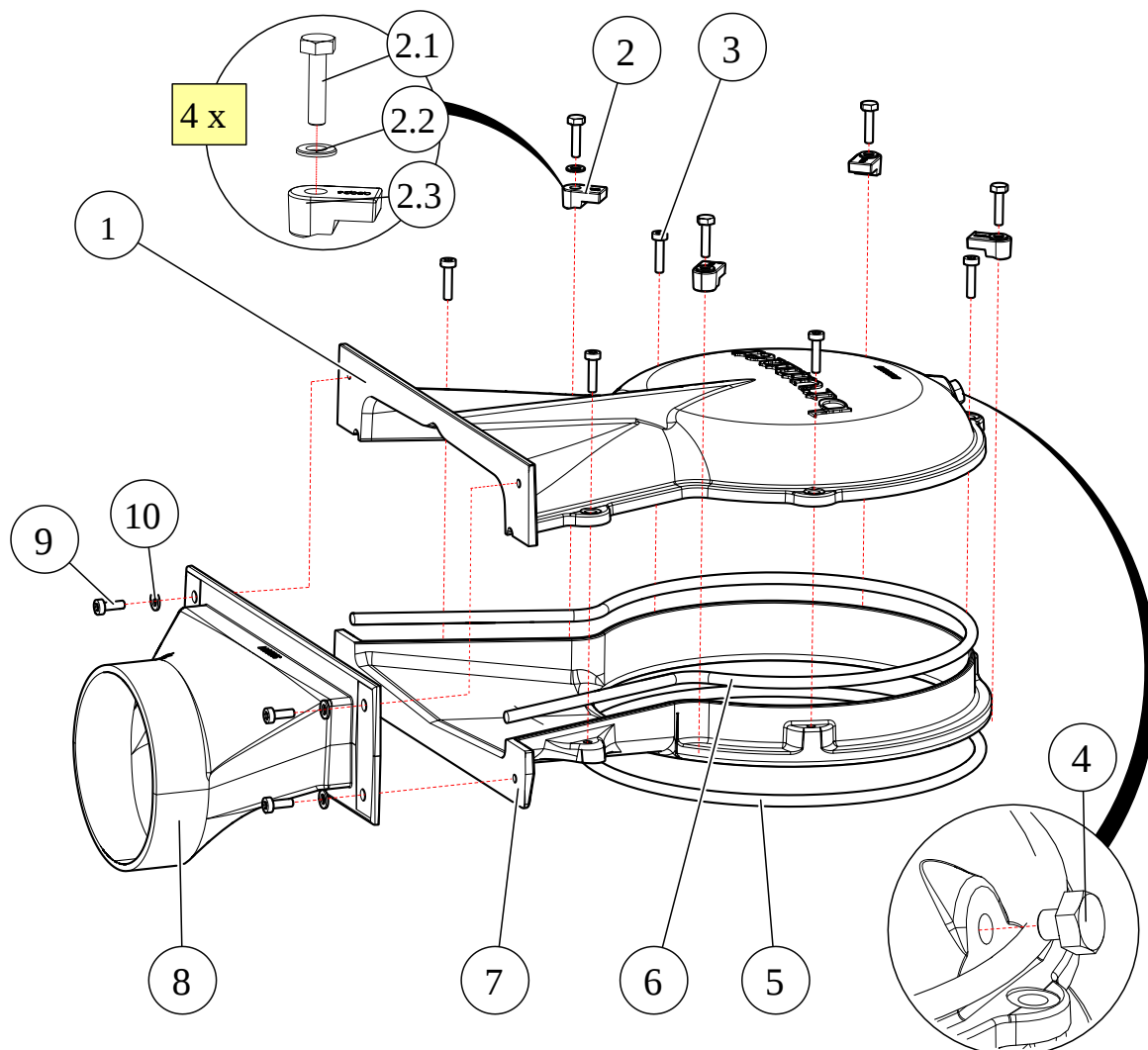
| Item | Designation                         | No. |
|------|-------------------------------------|-----|
| 1    | Inner part of collar frame assembly | 1   |
| 2    | Outer part of collar frame assembly | 1   |

## 4.18 CAST IRON TURNING DOME, COMPLETE ASSEMBLY (D009363)



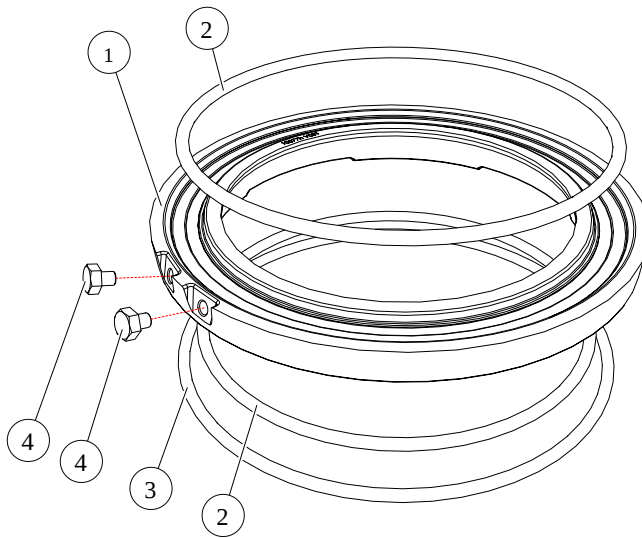
| Item | Part No. | Designation                    | No. | Item | Part No. | Designation              | No. |
|------|----------|--------------------------------|-----|------|----------|--------------------------|-----|
| 1    | D009224  | Dome assembly                  | 1   | 1.8  | 800267   | Glass pane               | 4   |
| 1.1  | 800097   | Hexagon screw M12x12           | 2   | 1.9  | D009262  | Dome sealing rope        | 1   |
| 1.2  | 07027    | Dome                           | 1   | 2    | D009361  | Clamps with M8x40 screws | 4   |
| 1.3  | D009258  | Intermediate bend sealing rope | 1   | 2.1  | 00229    | Hexagon screw M8x40      | 4   |
| 1.4  | 07028    | Intermediate bend              | 1   | 2.2  | 00605    | Glass pane               | 4   |
| 1.5  | D009259  | Connection bend sealing rope   | 1   | 2.3  | 08036    | Clamp                    | 4   |
| 1.6  | 07029    | 180mm connection bend          | 1   | 3    | 00438    | Dome inner lining        | 1   |
| 1.7  | 00683    | Hexagon screw M8x25            | 4   |      |          |                          |     |

## 4.19 FLAT CAST IRON DOME (D003664)



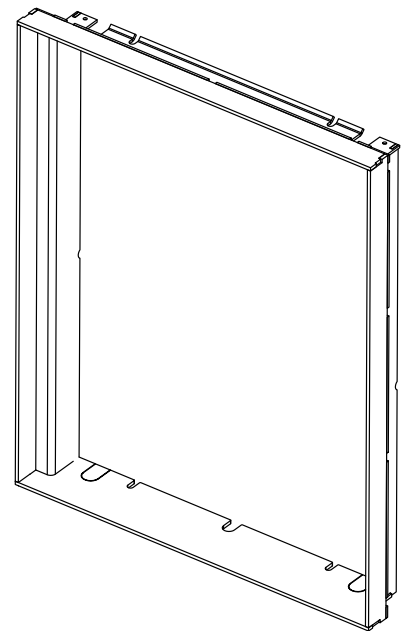
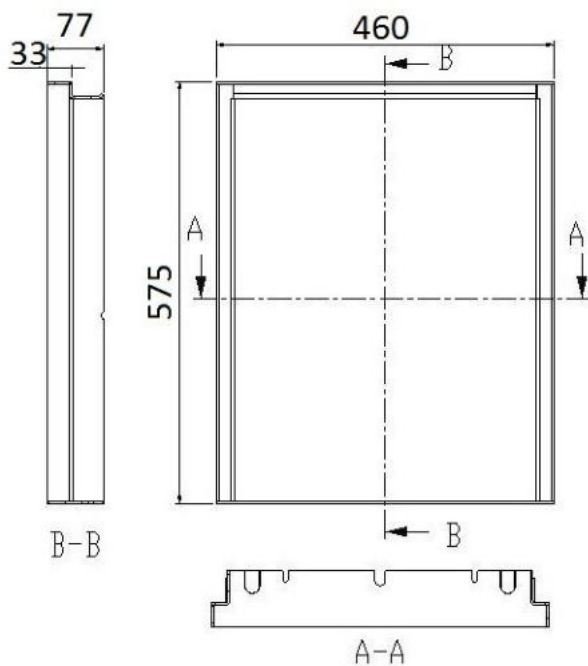
| Item | Part No. | Designation              | No. | Item | Part No. | Designation           | No. |
|------|----------|--------------------------|-----|------|----------|-----------------------|-----|
| 1    | D003665  | Flat dome upper part     | 1   | 5    | D003667  | Lower dome part seal  | 1   |
| 2    | D009361  | Top cover clamp assembly | 4   | 6    | D003668  | Upper dome part seal  | 1   |
| 2.1  | 00229    | Hexagon screw M8x40      | 4   | 7    | D003666  | Flat dome lower part  | 1   |
| 2.2  | 00605    | Glass pane               | 4   | 8    | S003010  | Nozzle cover assembly | 1   |
| 2.3  | 08036    | Clamp                    | 4   | 9    | 00806    | Cylinder screw M8x20  | 4   |
| 3    | 800060   | Cylinder screw M8x30     | 5   | 10   | 800047   | Glass pane            | 4   |
| 4    | 800096   | Hexagon screw M12x10     | 1   |      |          |                       |     |

## 4.20 MOUNTING RING MAS 440 (10077)

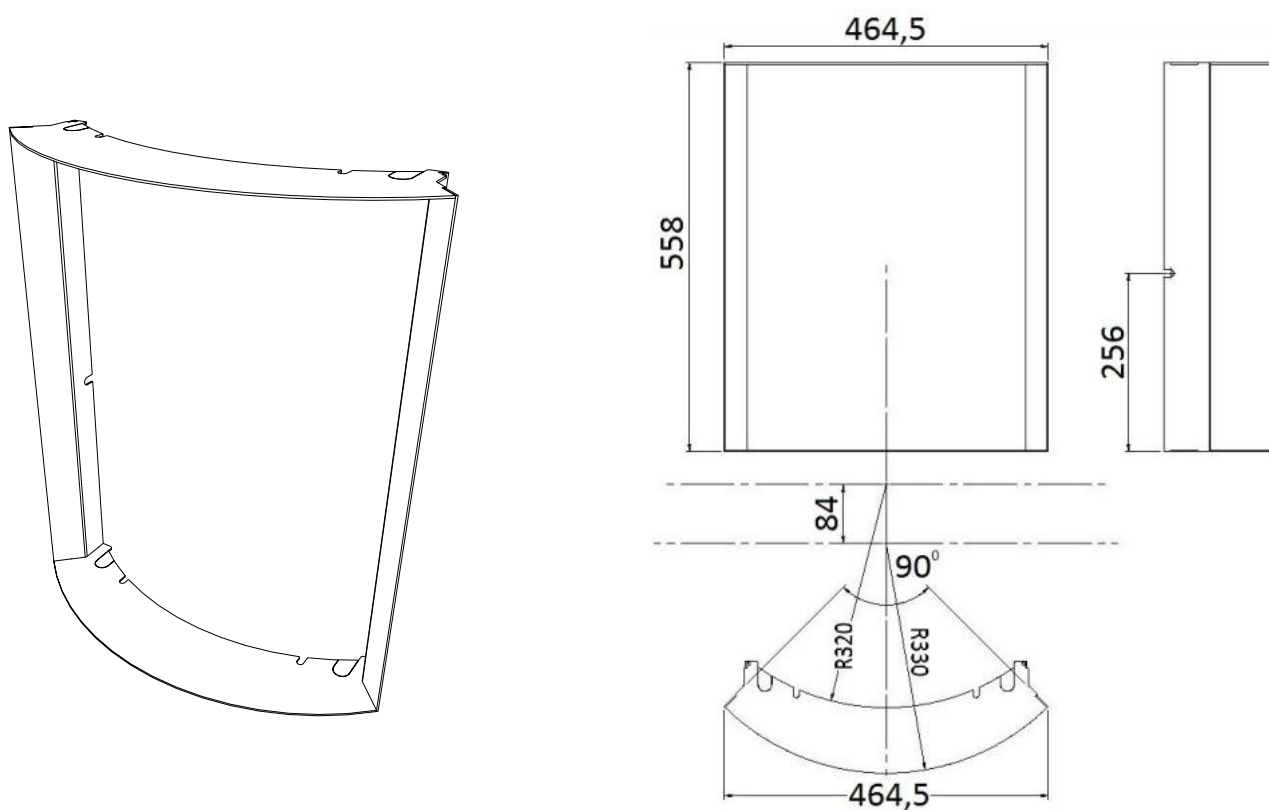


| Item                              | Part No. | Designation                           | No. |
|-----------------------------------|----------|---------------------------------------|-----|
| 1                                 | 10077h   | Modular accumulator mounting ring     | 1   |
| 2                                 | R009027  | Upper-lower sealing for mounting ring | 2   |
| 3                                 | R009028  | Mounting ring bottom sealing          | 1   |
| 4                                 | 800097   | Hexagon screw M12x12                  | 2   |
| Accessories kit: 4 x threaded pin |          |                                       |     |

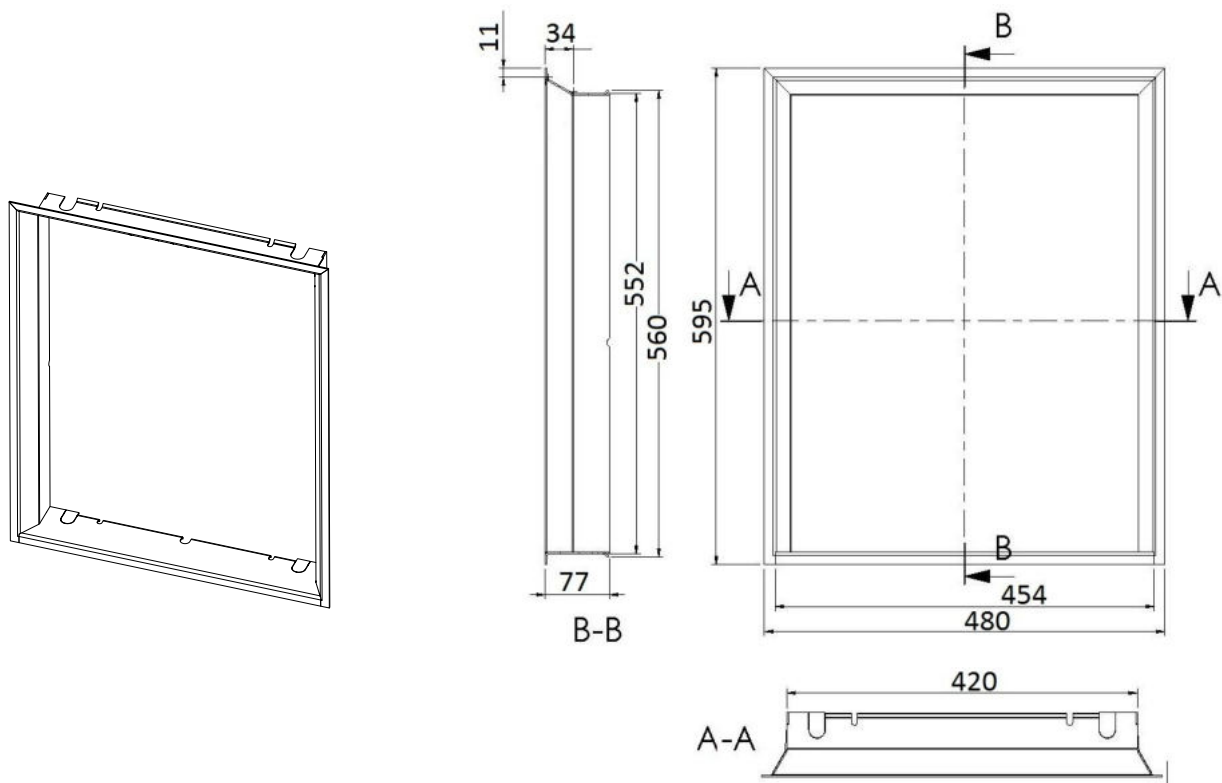
## 4.21 MOUNTING FRAME (D003542-X)



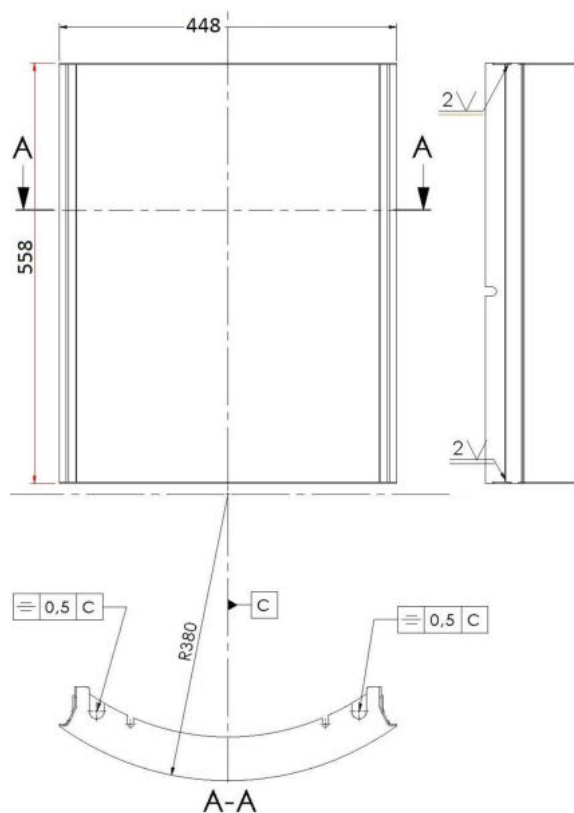
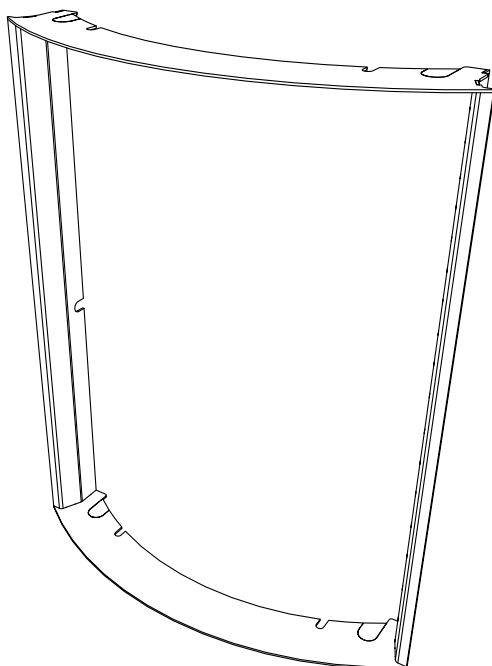
## 4.22 MOUNTING FRAME R330 (D003545-X)



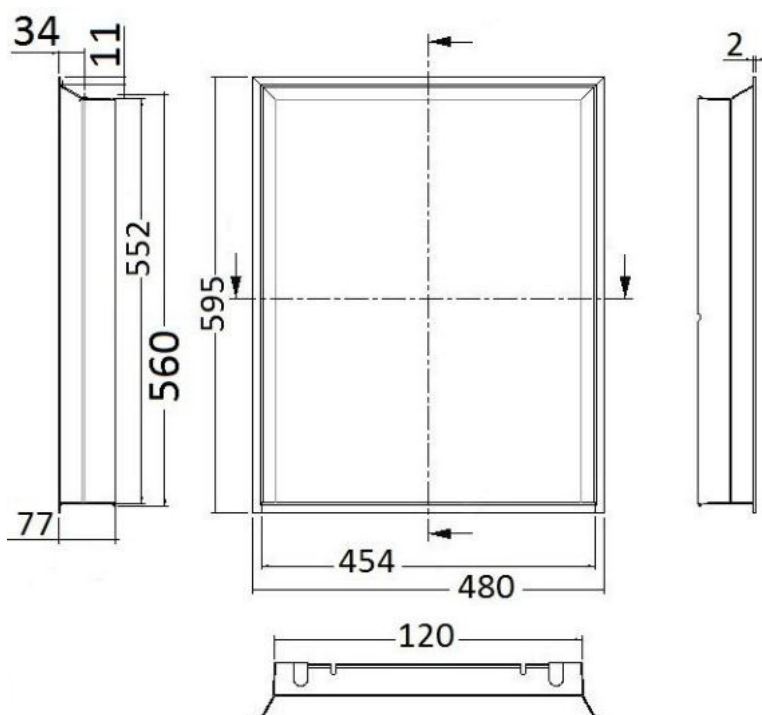
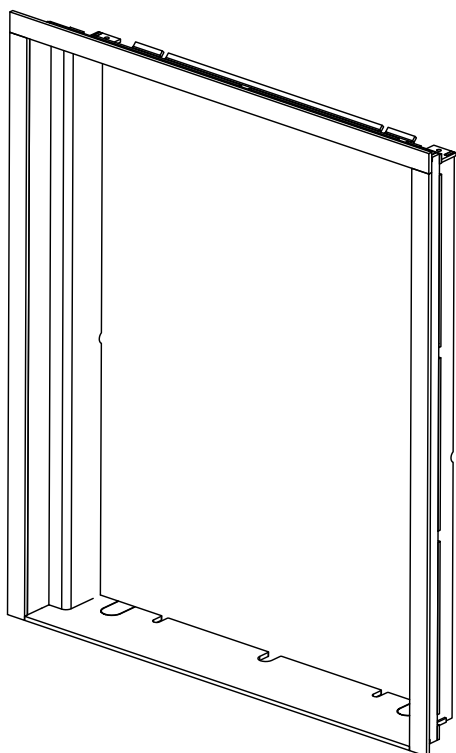
## 4.23 DOOR FINISHING FRAME (10463, 10464)



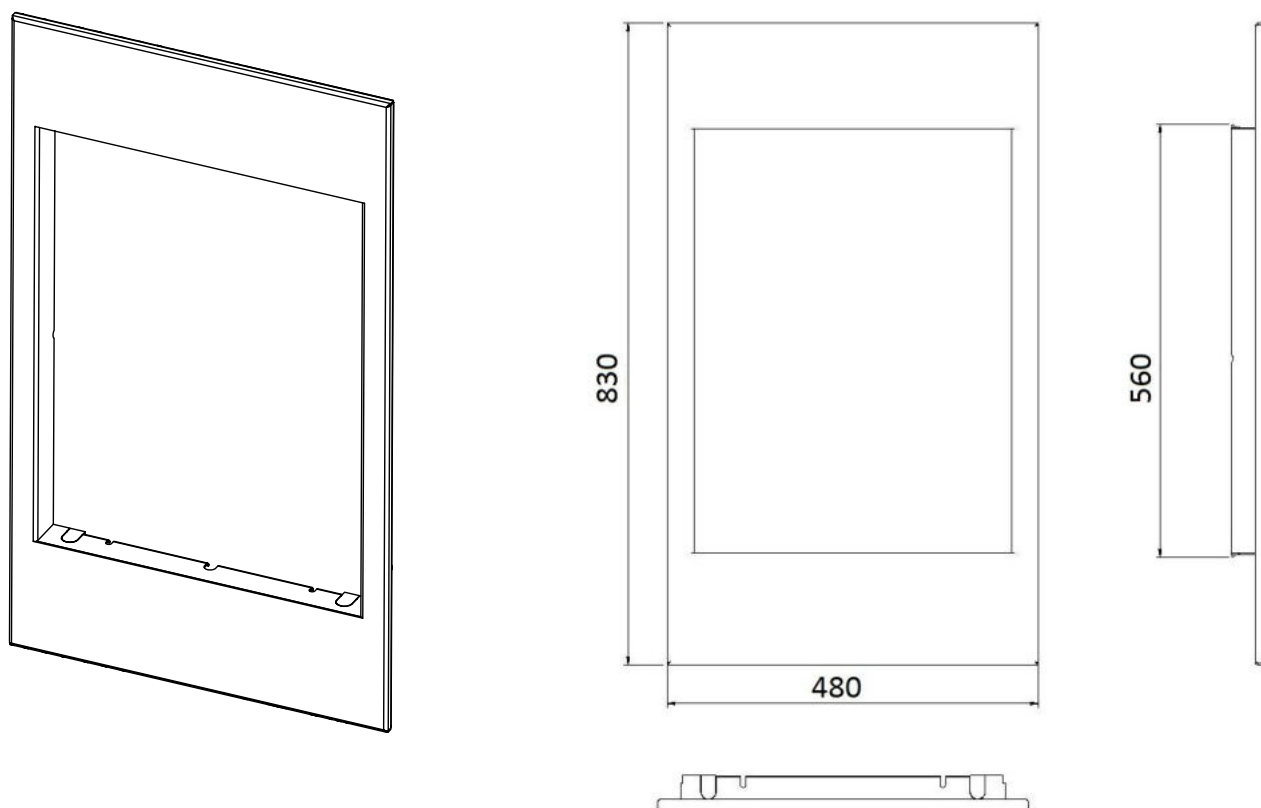
#### 4.24 DOOR FINISHING FRAME R380 BLACK/STAINLESS STEEL (10474 / 10475)



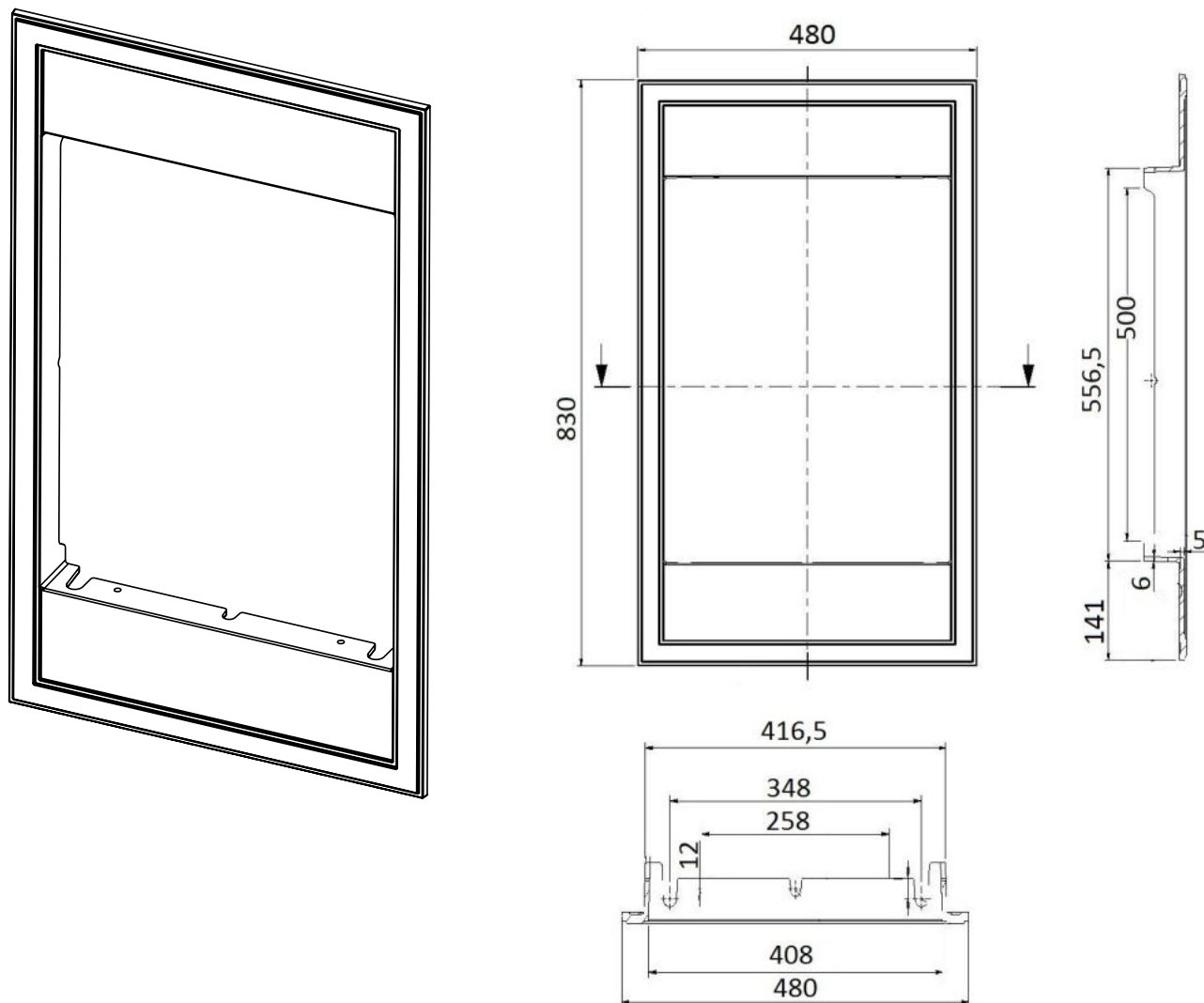
#### 4.25 DOOR FRAME (10463, 10464)



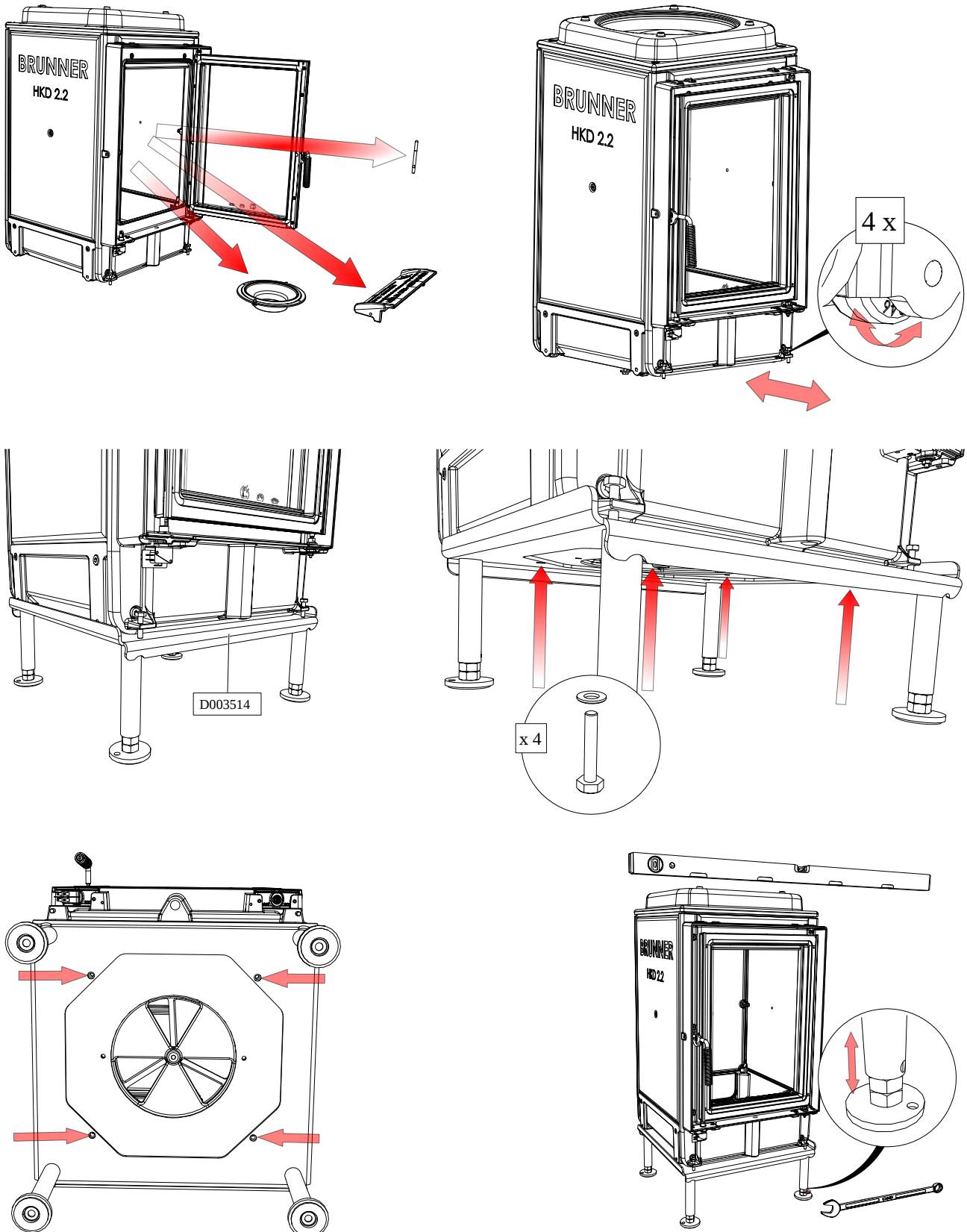
## 4.26 BLACK STEEL FRONT PLATE 480X830 (10467)



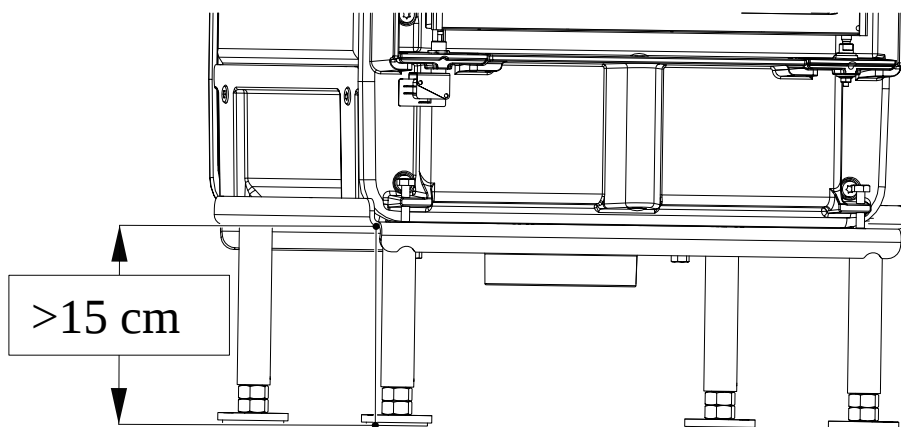
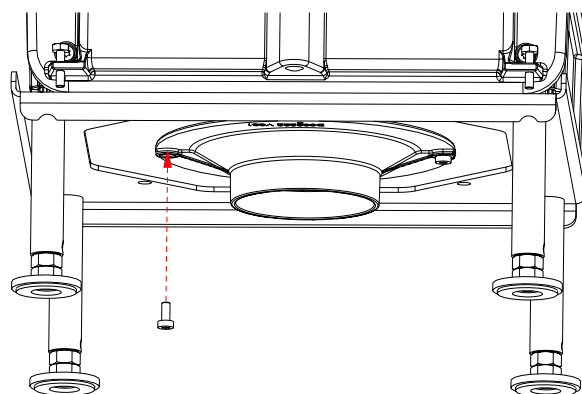
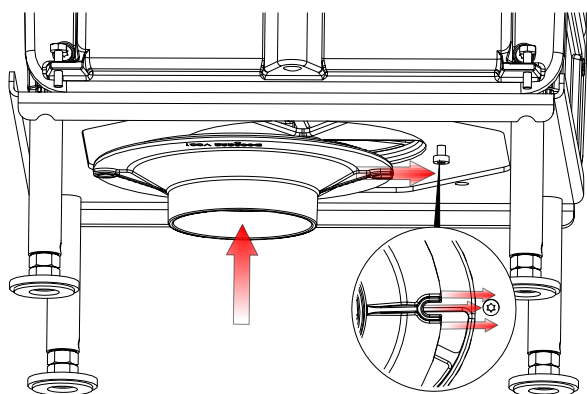
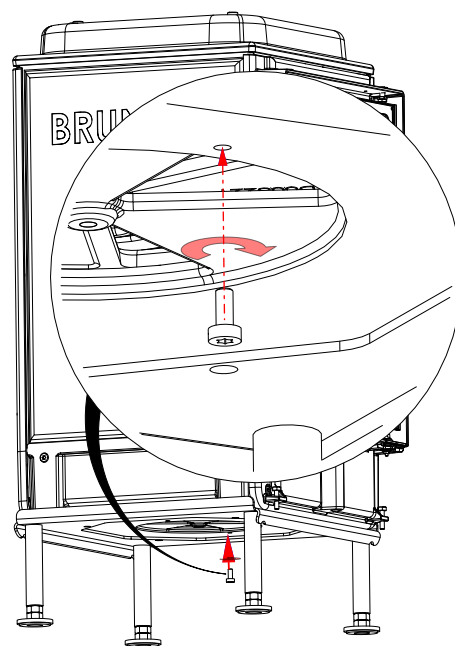
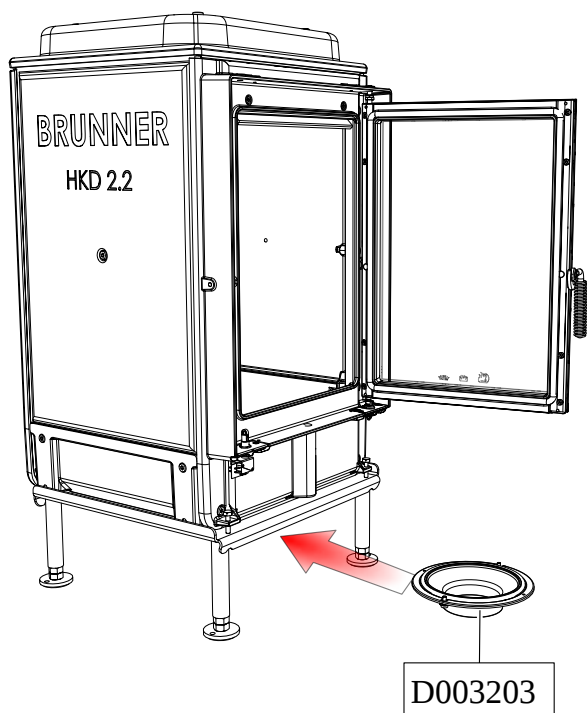
## 4.27 CAST IRON FRONT PLATE 480X830 HKD 2.2F (10188)



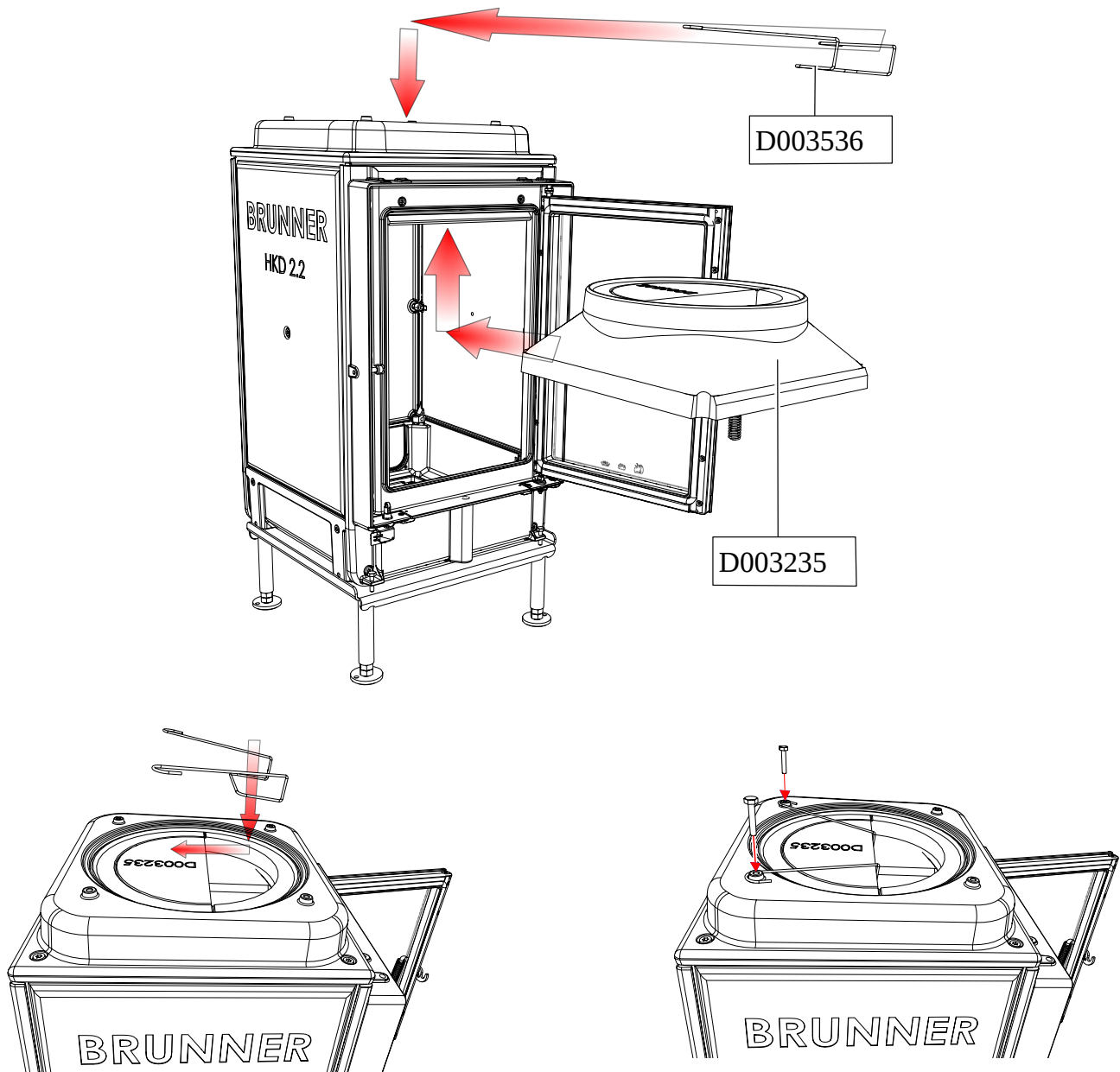
## 5 INSTALLATION



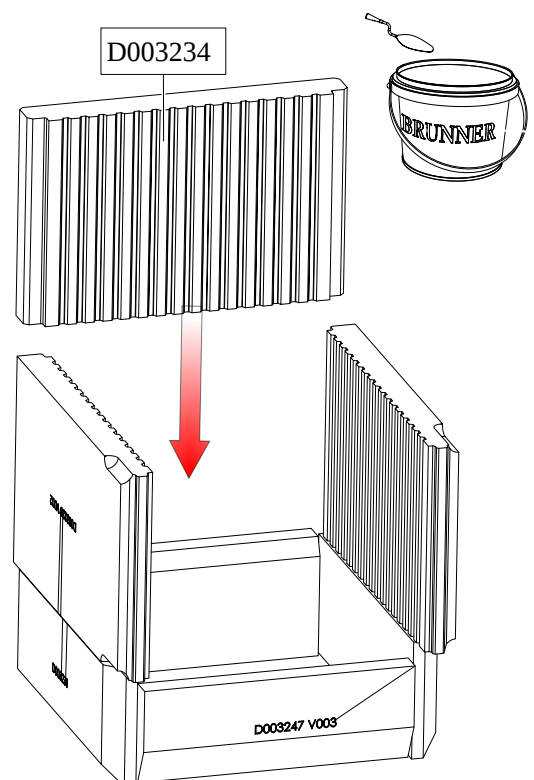
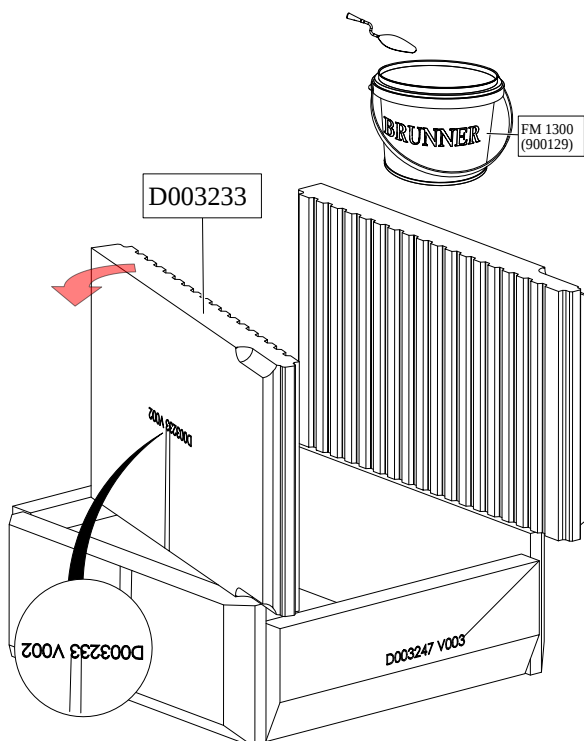
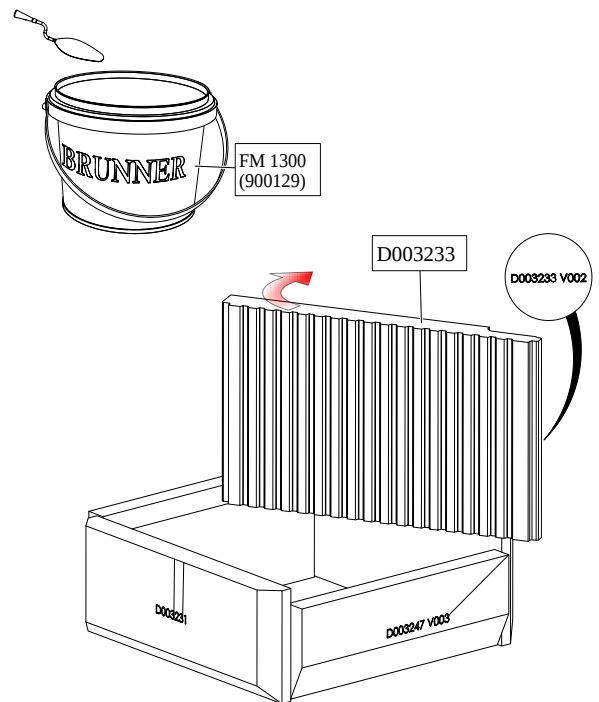
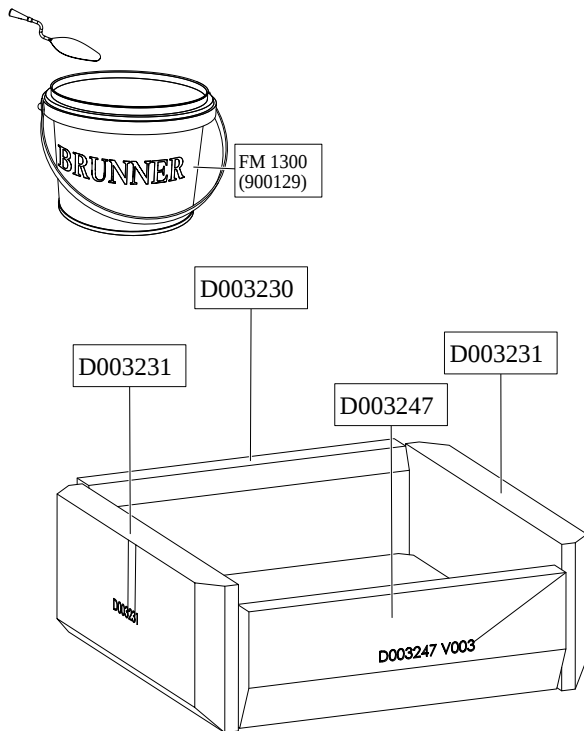
## 5.1 CONNECTION COMBUSTION AIR

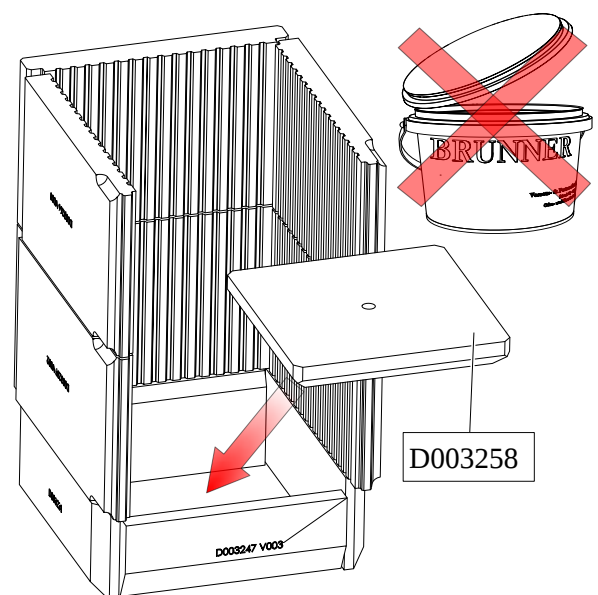
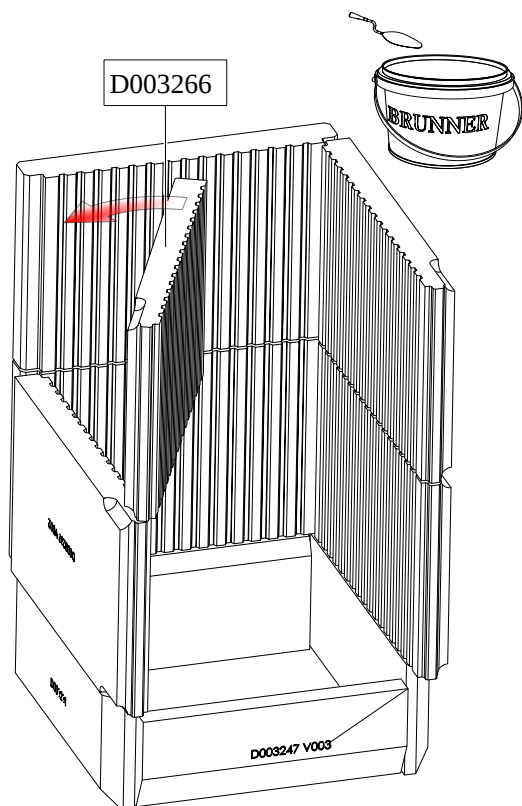
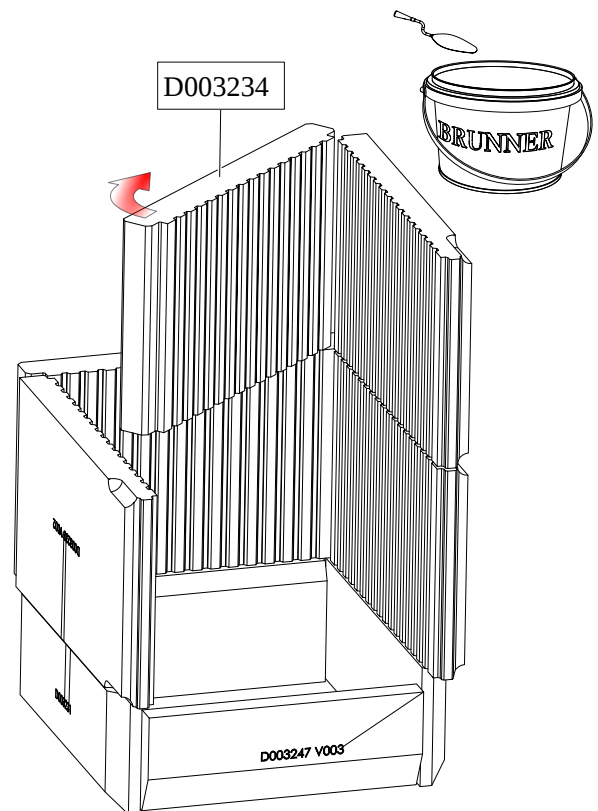
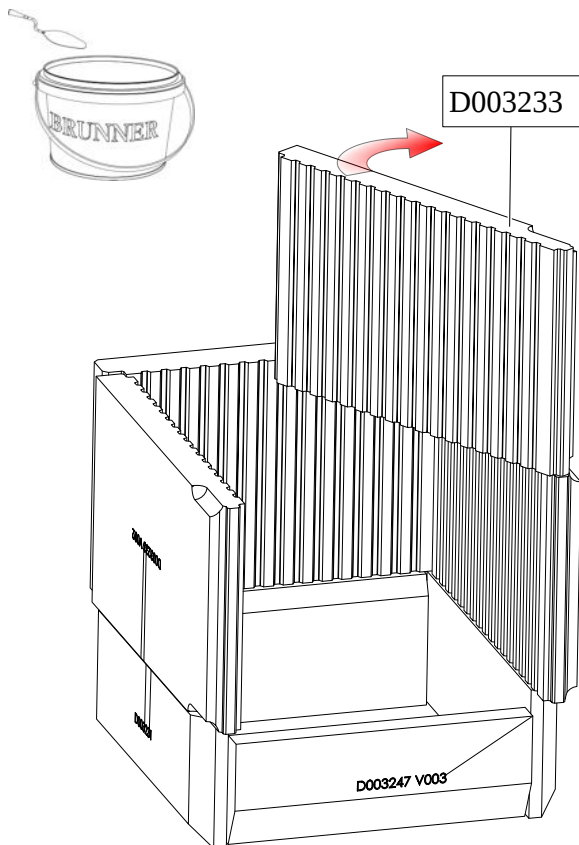


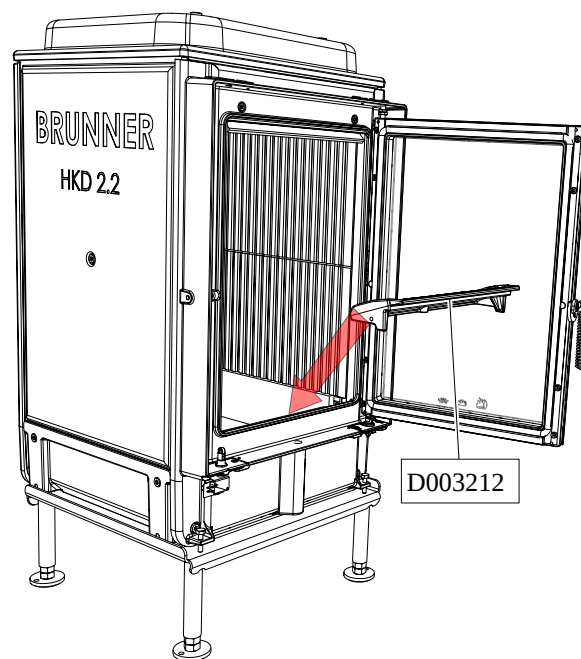
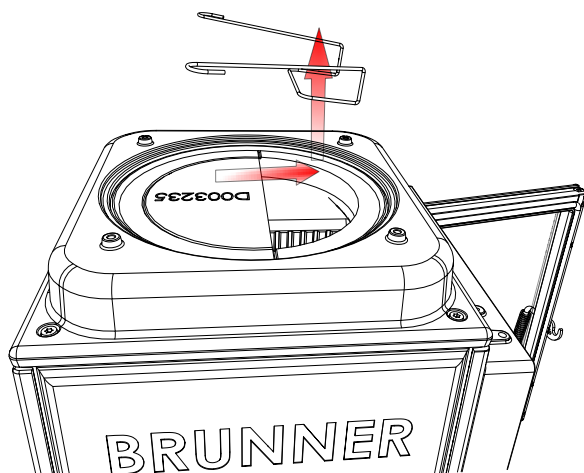
## 5.2 MOUNTING OF THE ISO- COVER HOOD (10472)



## 5.3 INSTALLATION FIRE CLAY LINING (10469)





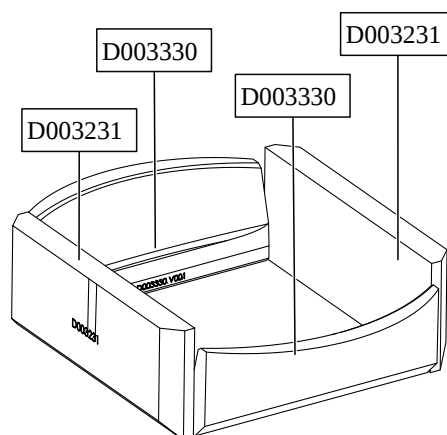
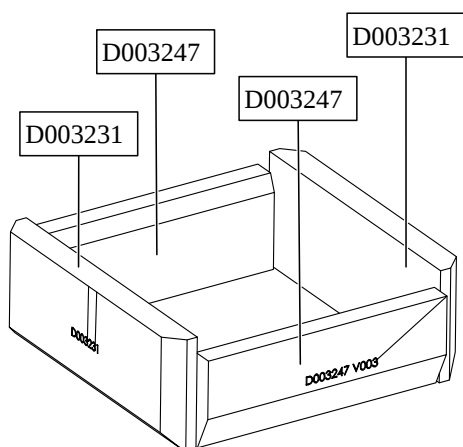


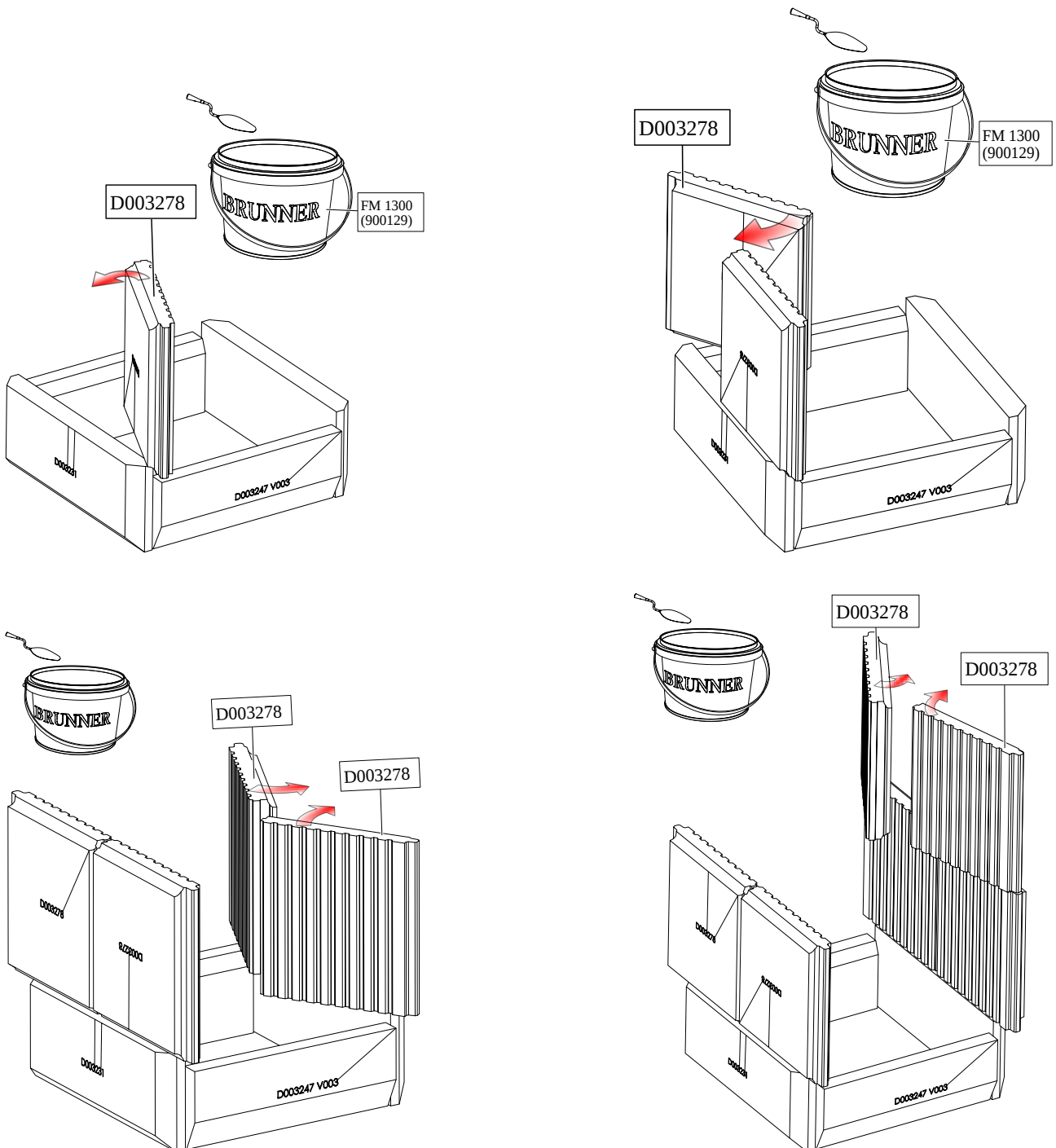
## 5.4 INSTALLATION FIRE CLAY LINING TUNNEL (10470)

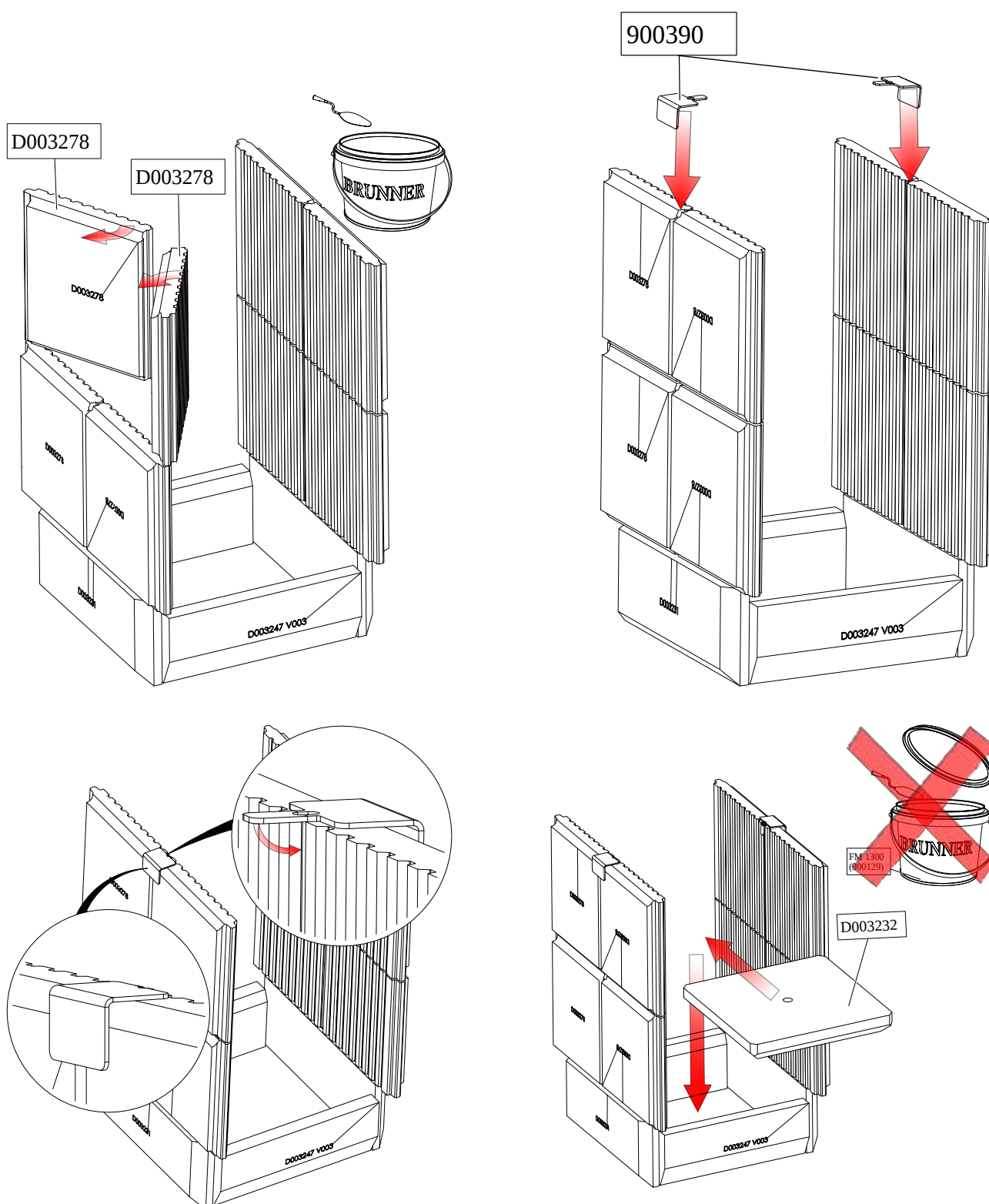
HKD 2.2 flat:



HKD 2.2 round:

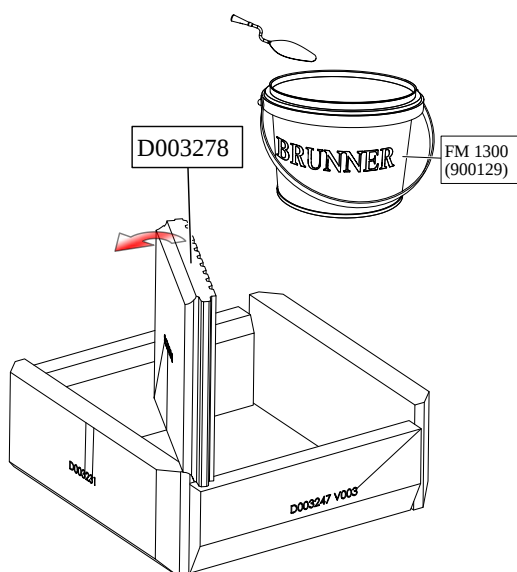
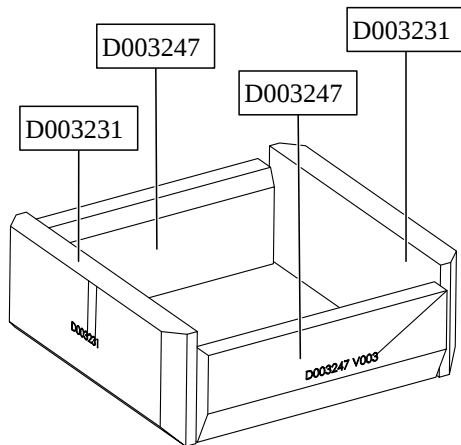
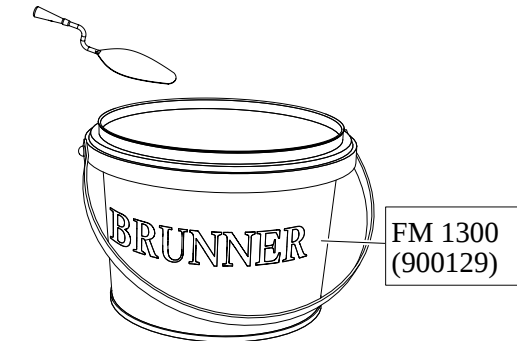




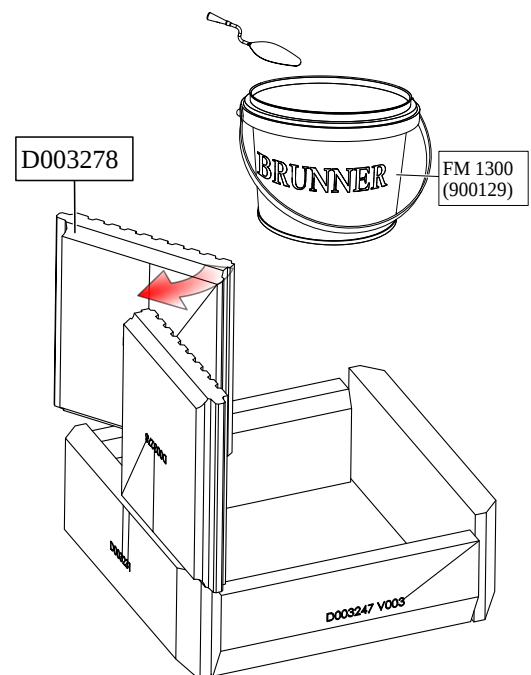
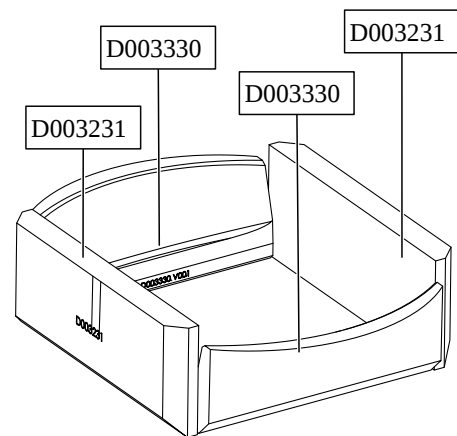
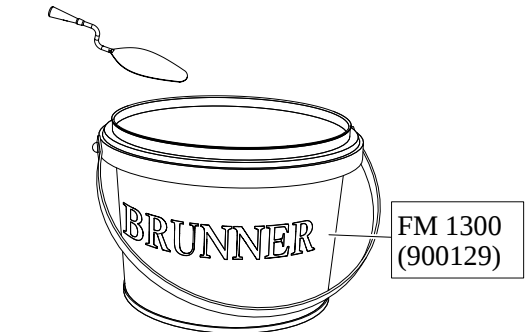


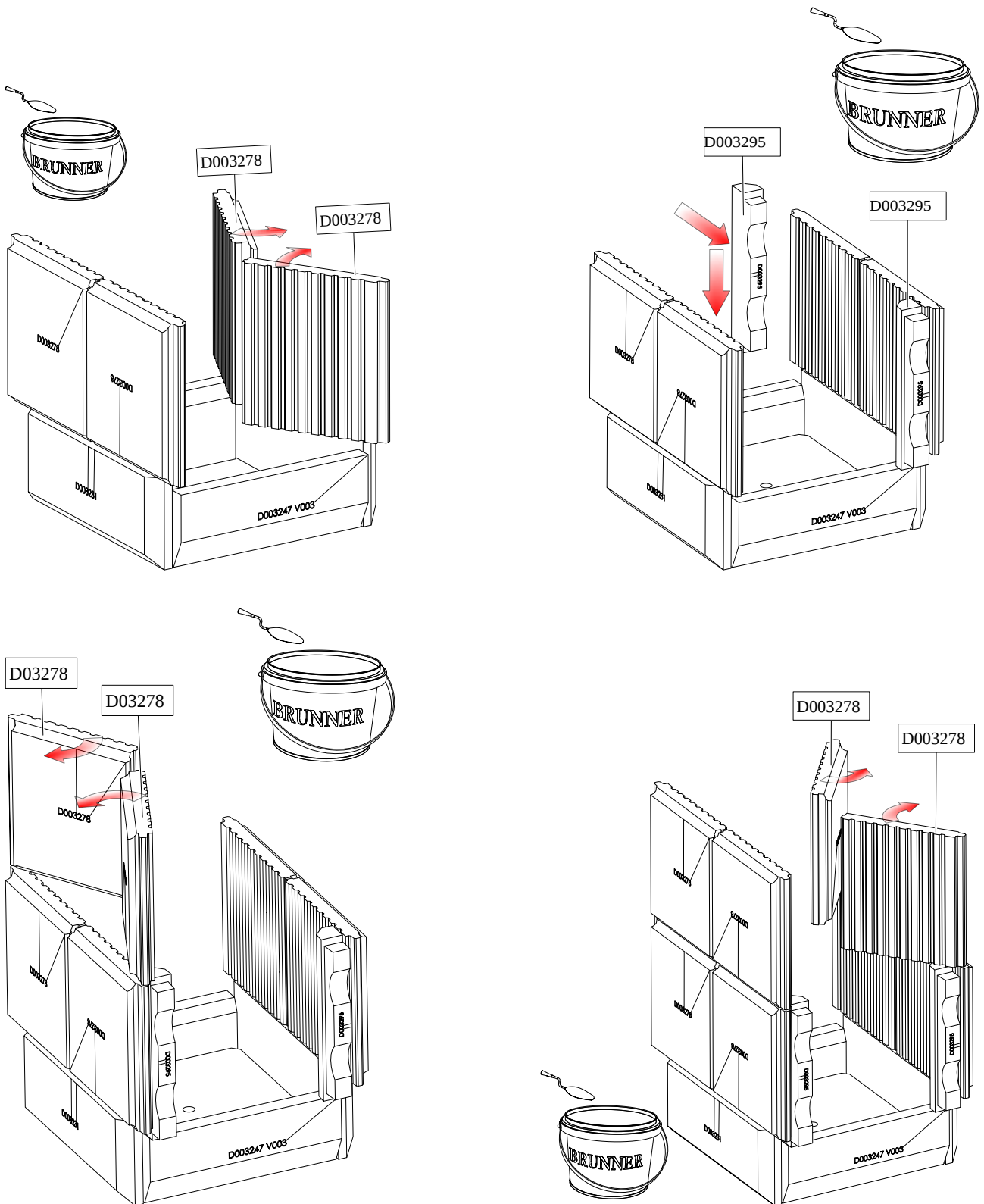
## 5.5 INSTALLATION FIRE CLAY LINING 2.2 DHT (ADDITIONAL DOOR)

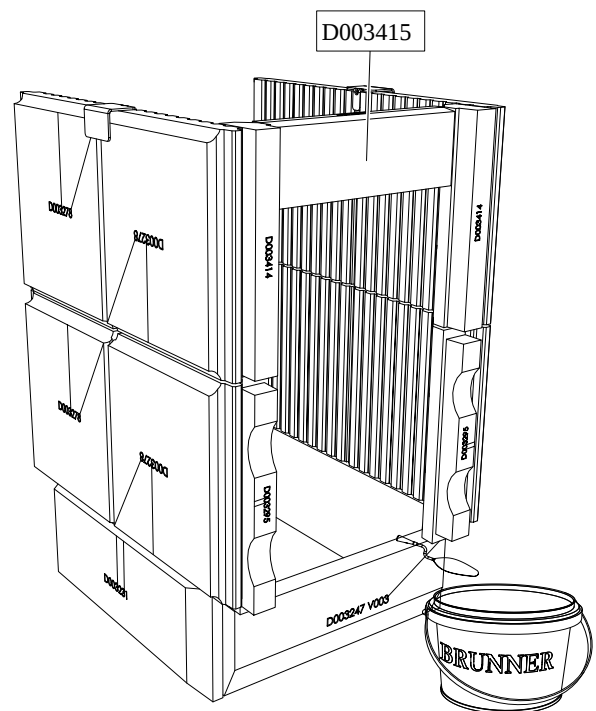
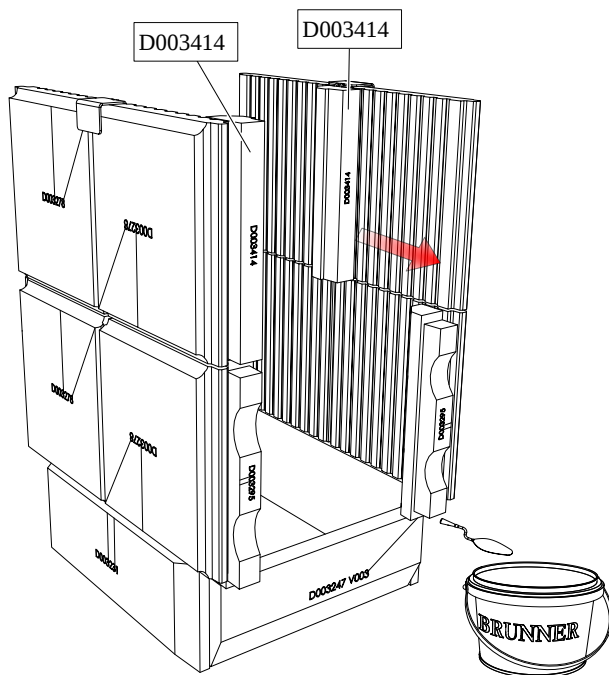
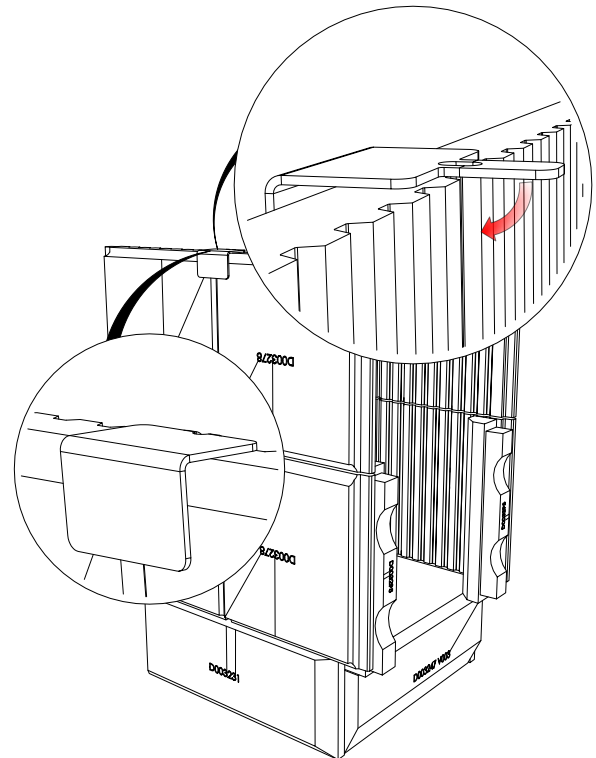
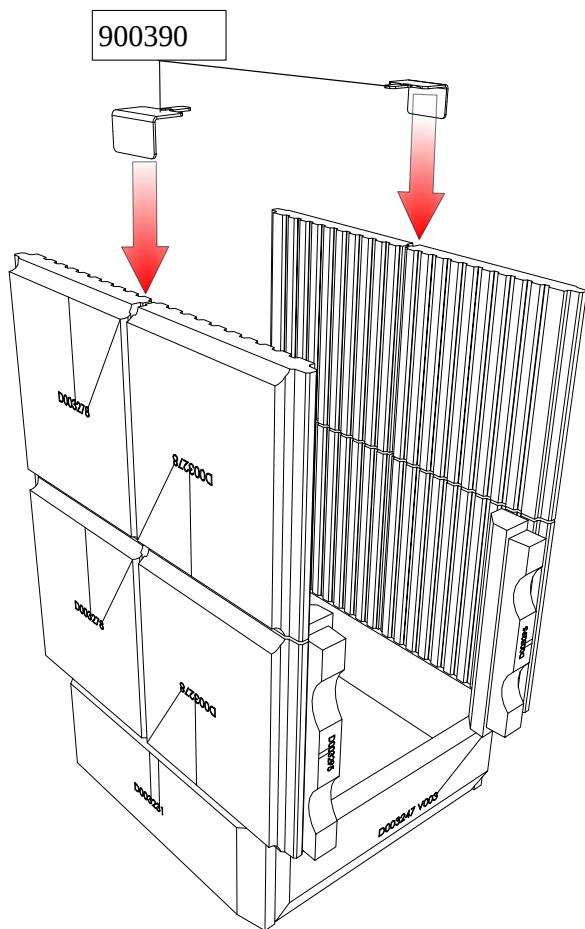
HKD 2.2 flat:

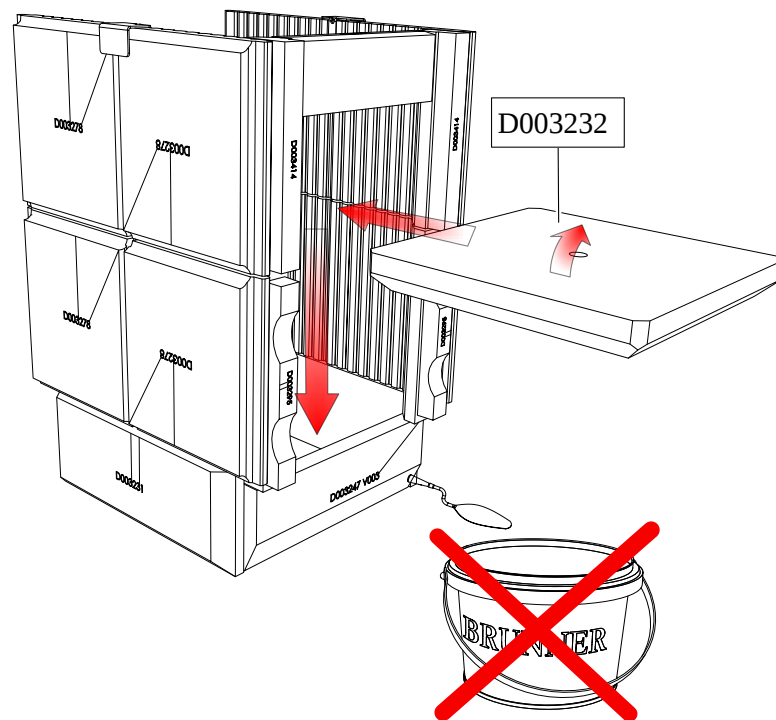


HKD 2.2 round:

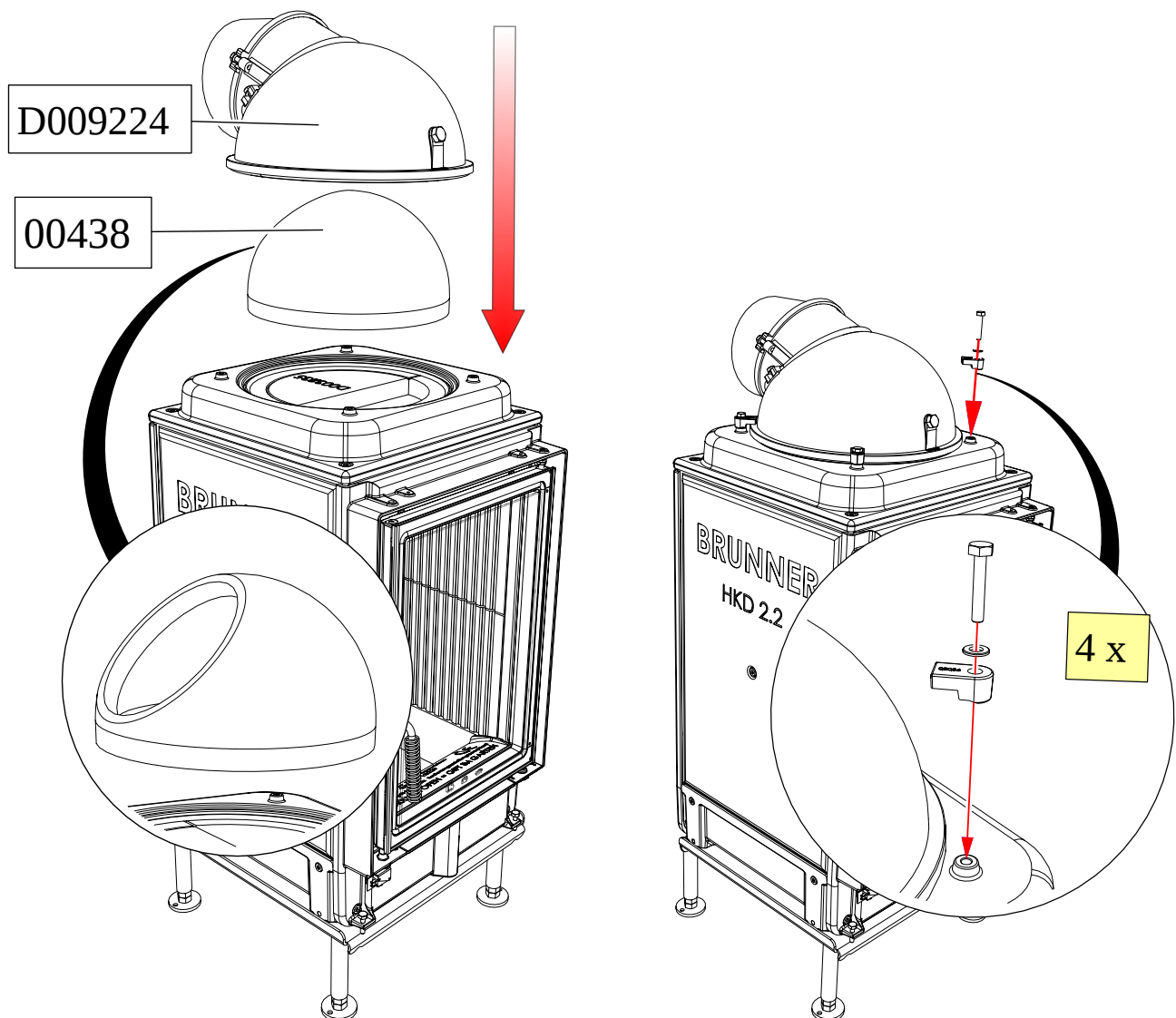




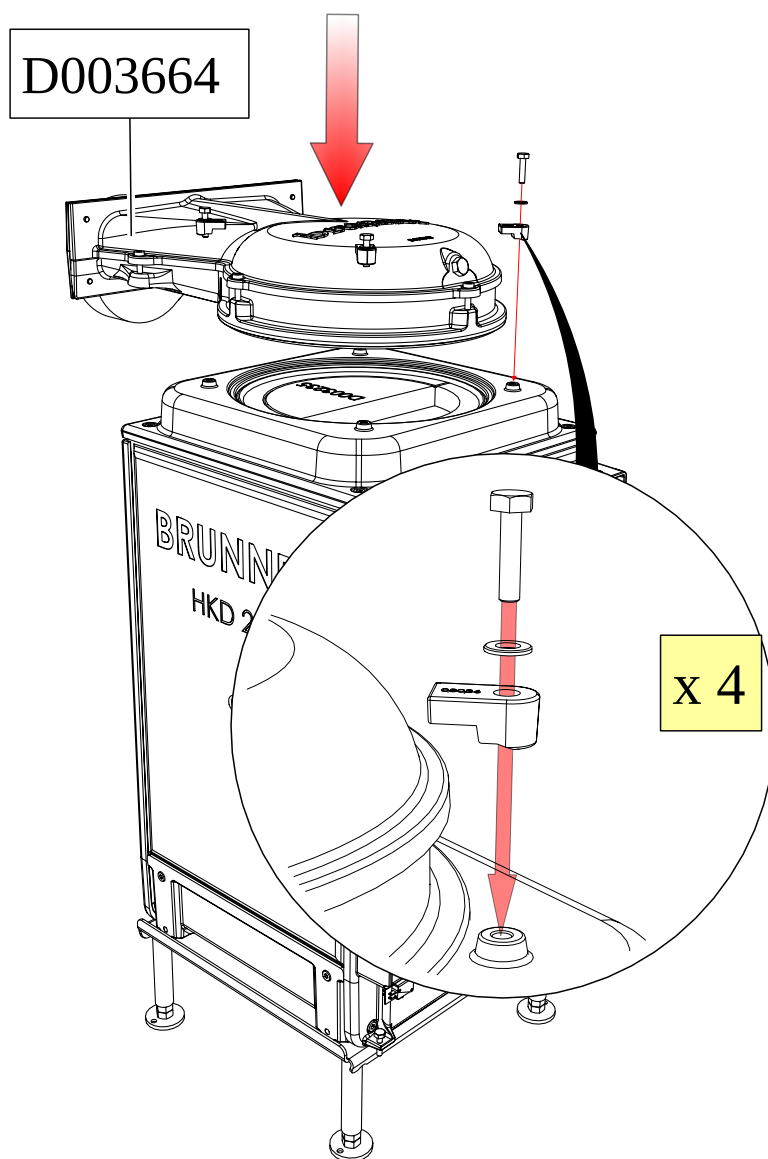




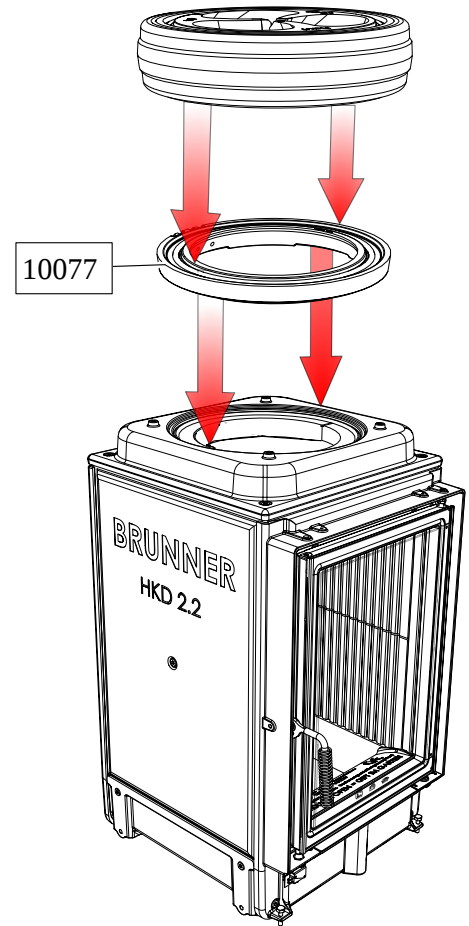
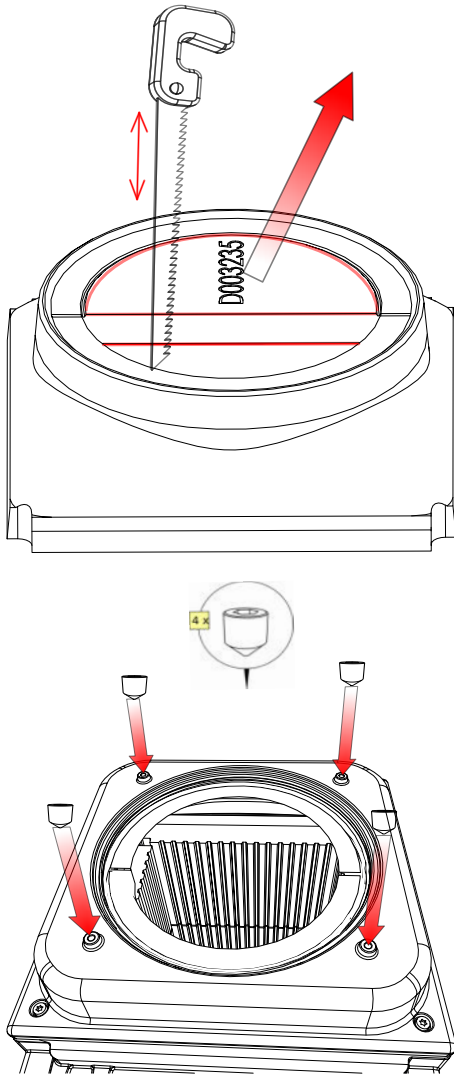
## 5.6 FLUE GAS CONNECTION WITH ROTATABLE CAST DOME WITH NOZZLE Ø180MM (D009363)



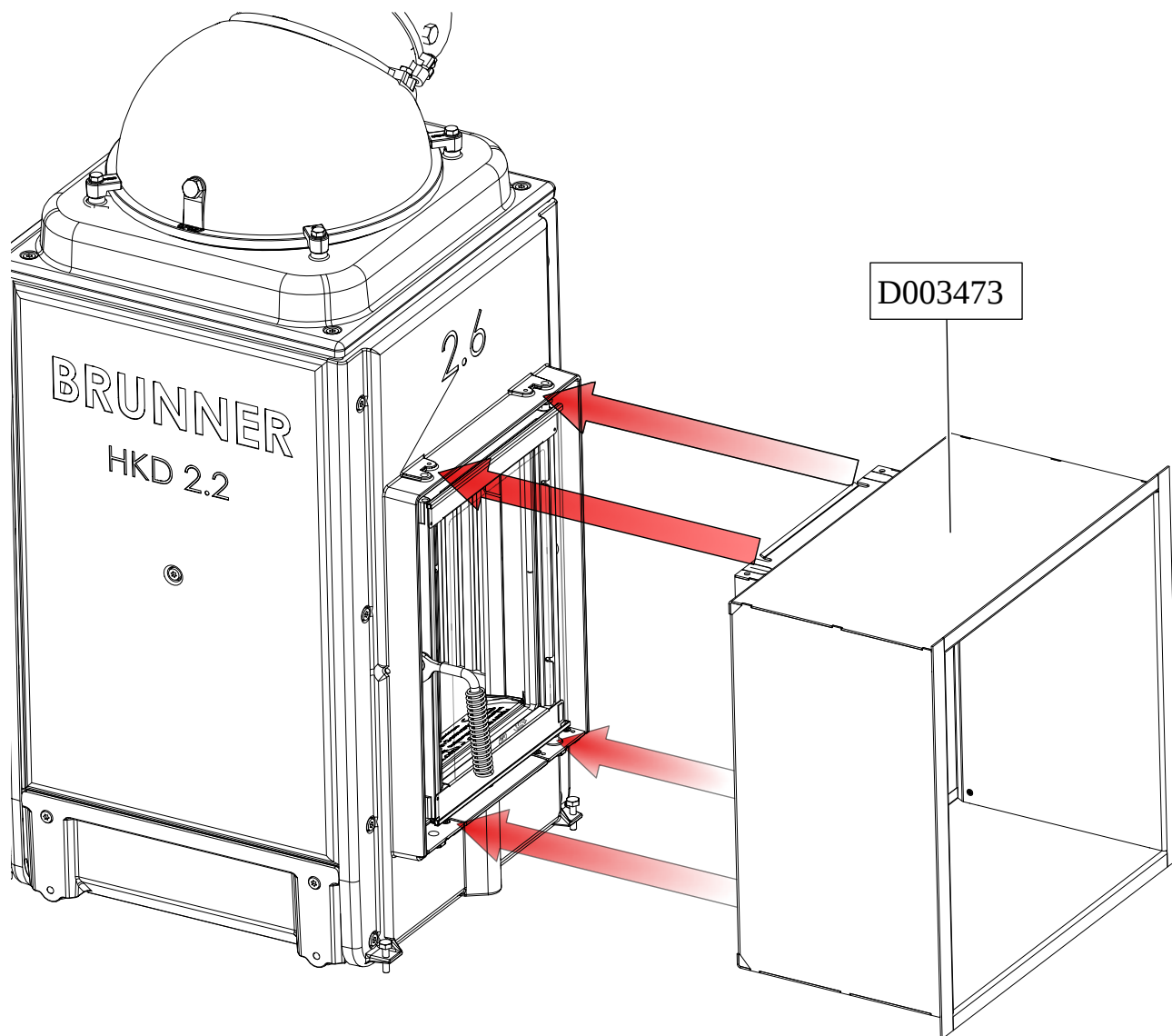
## 5.7 FLUE GAS CONNECTION WITH FLAT/LOWER CAST DOME (D003664)



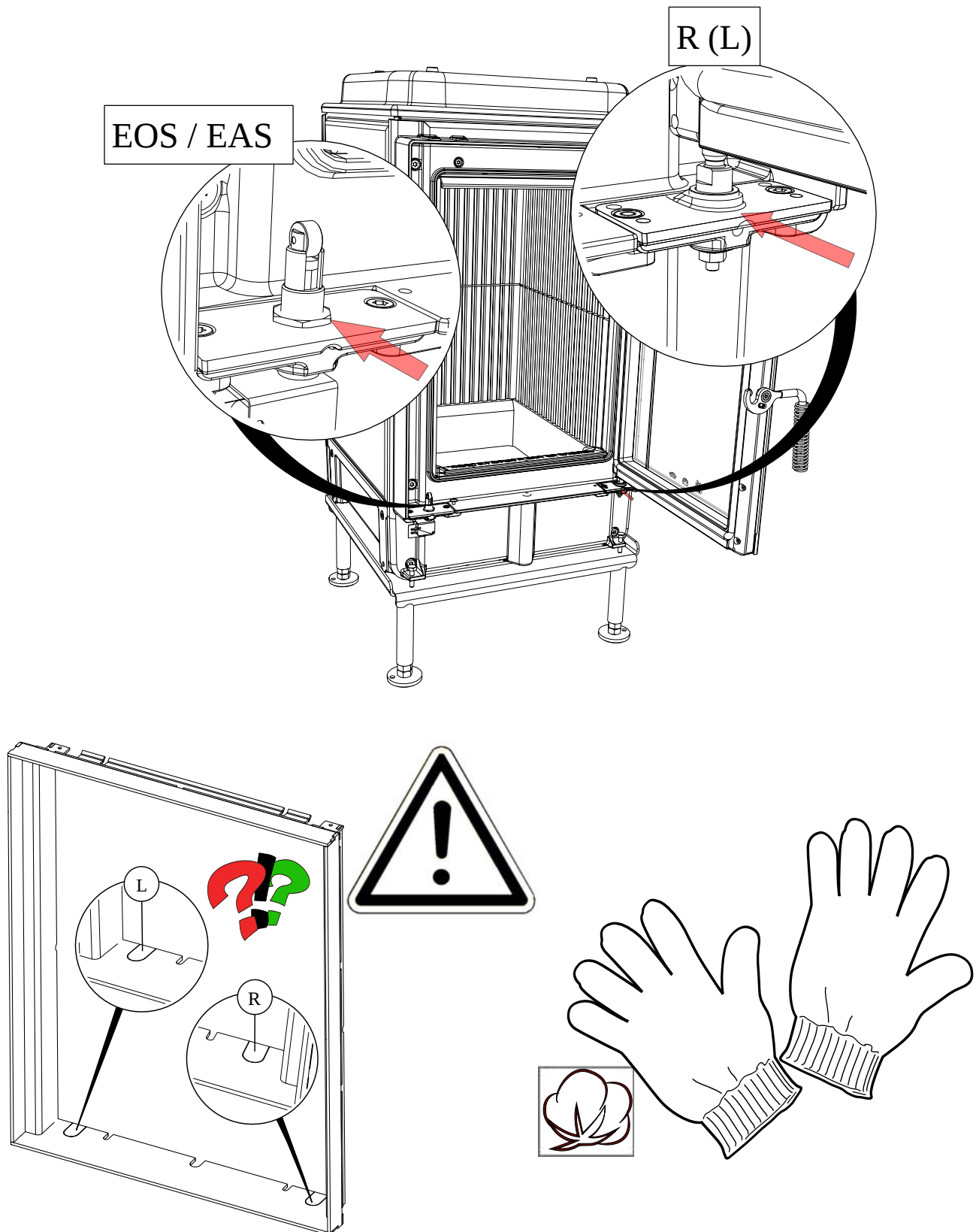
## 5.8 FLUE GAS CONNECTION WITH MAS



## 5.9 INSTALLATION OF THE NICHE FRAME



## 5.10 INSTALLATION OF THE MOUNTING FRAME





EOS /  
EAS



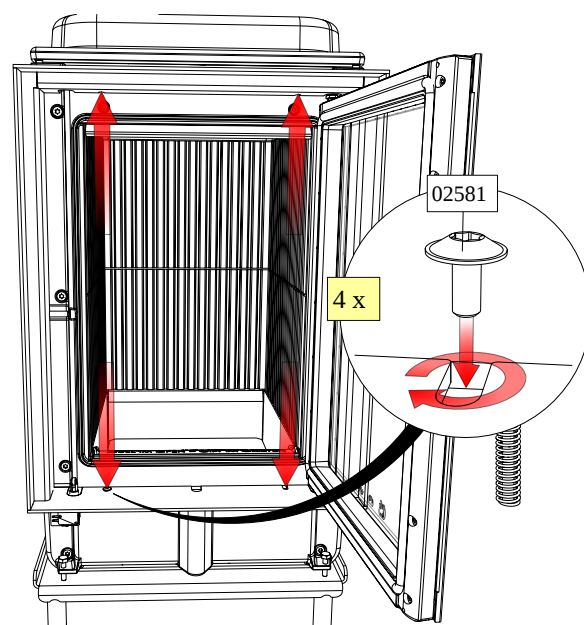
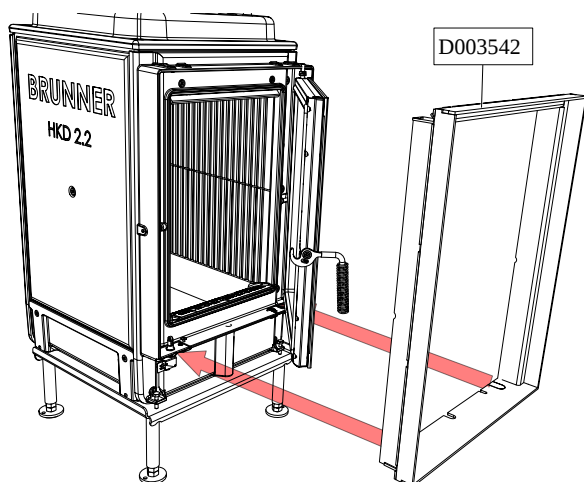
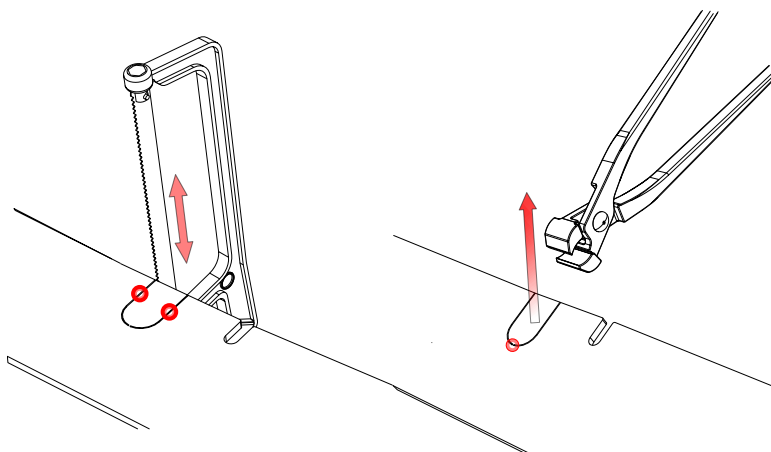
L / R



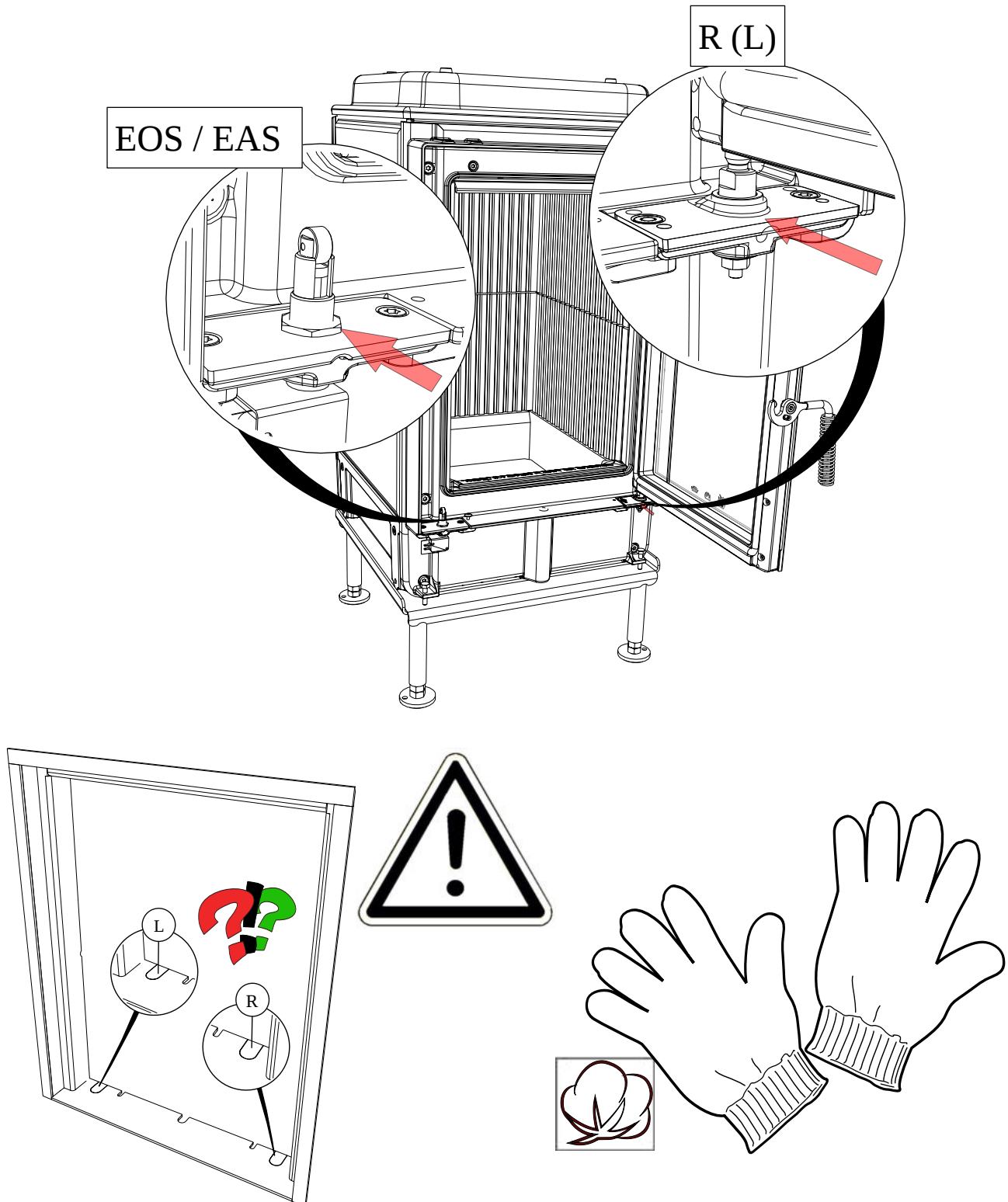
L =  
links



R =  
rechts



## 5.11 INSTALLATION OF THE DOOR FRAME





EOS /  
EAS



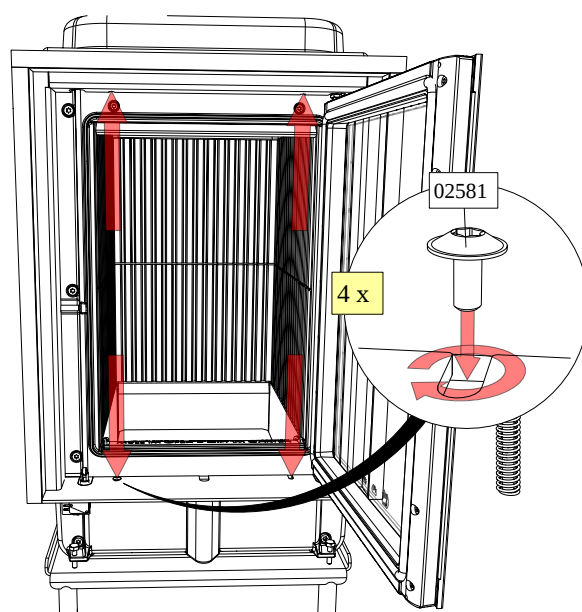
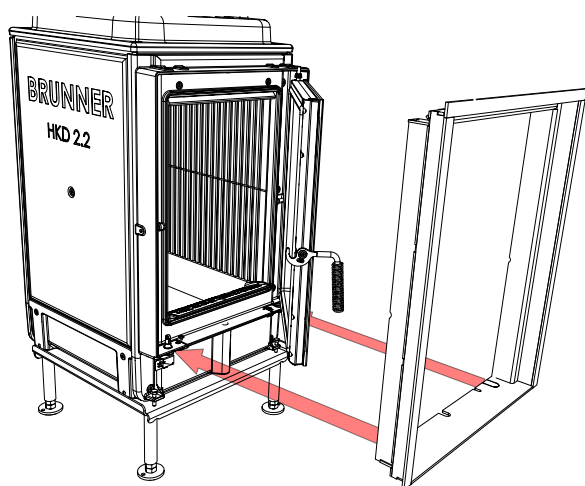
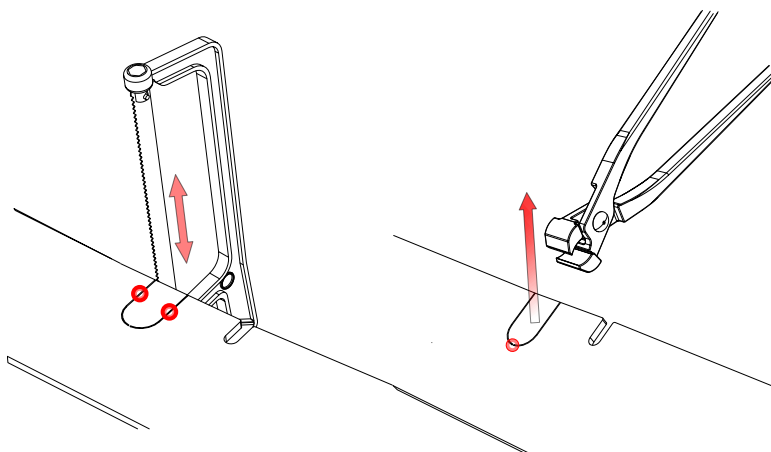
L / R



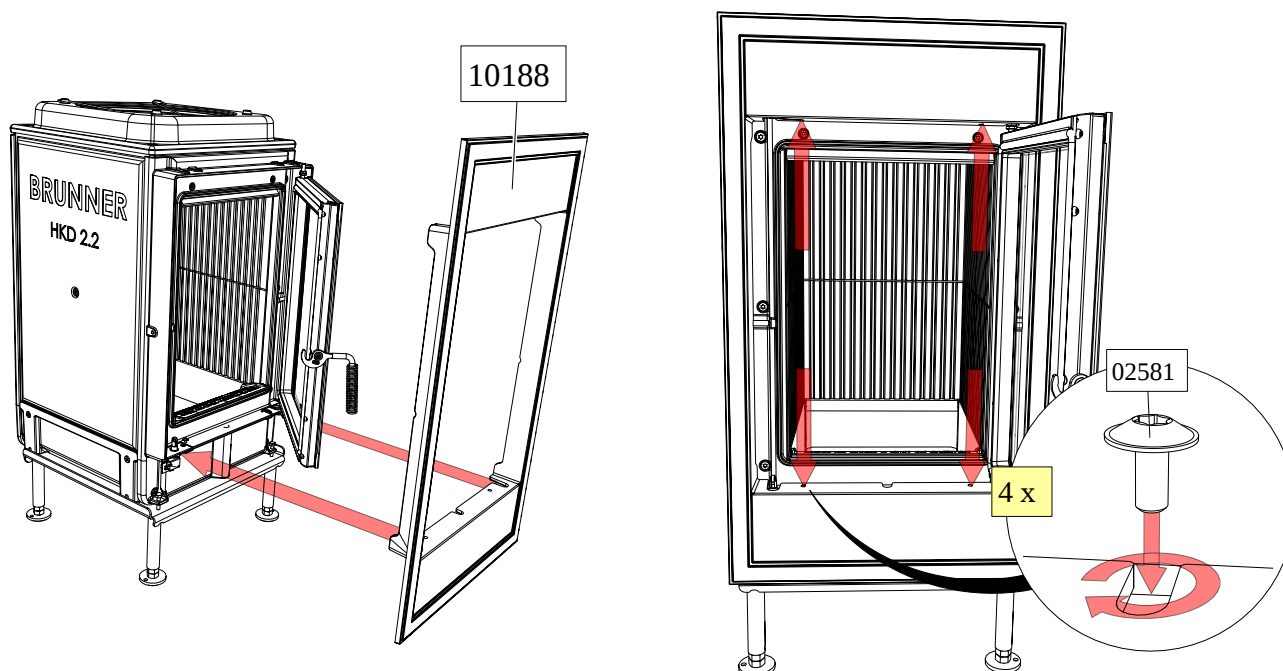
L =  
links



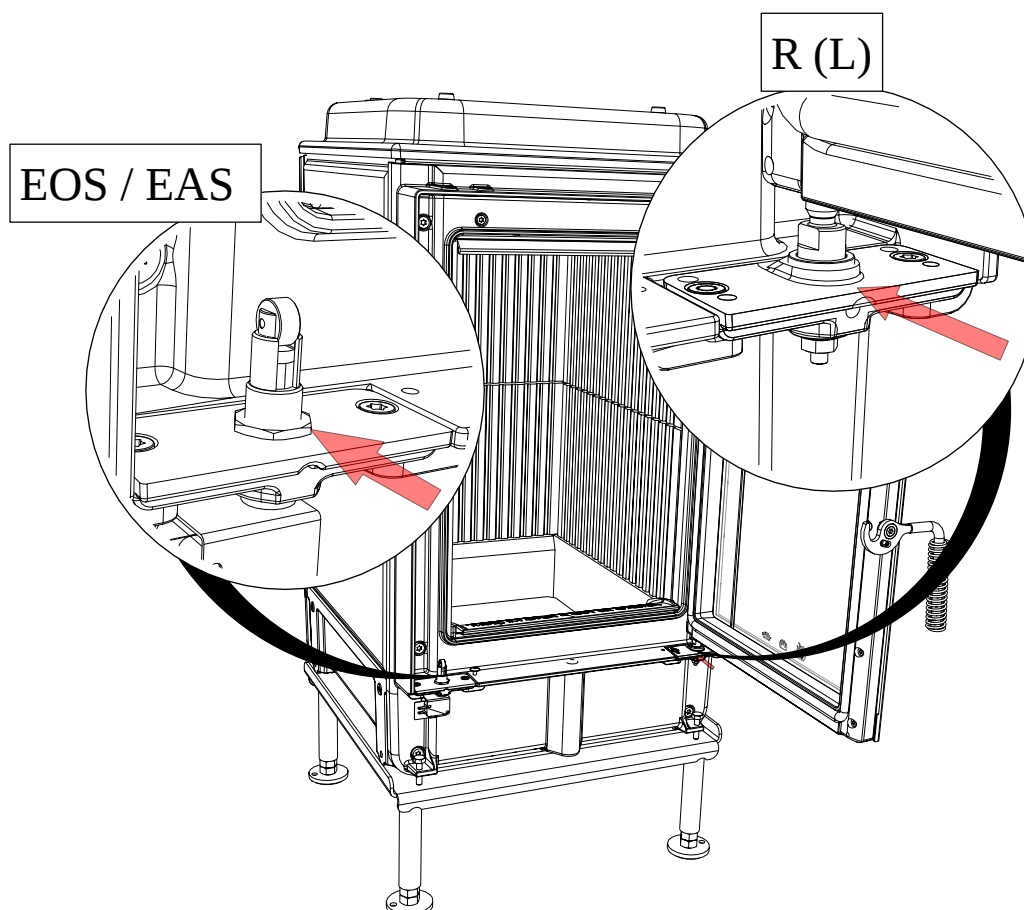
R =  
rechts

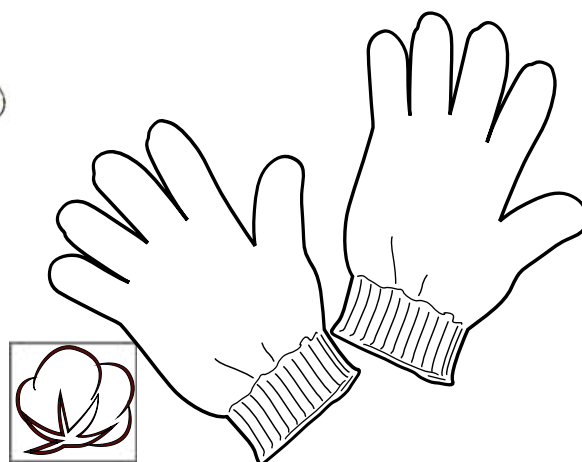
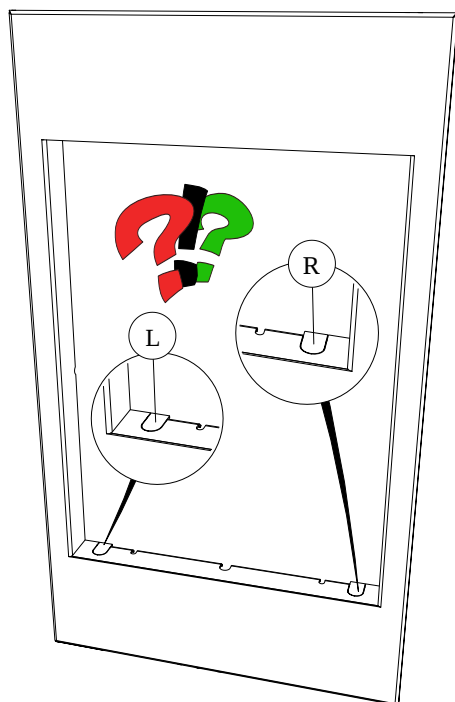


## 5.12 INSTALLATION OF THE FRONT CAST PANEL (10188)



## 5.13 INSTALLATION OF THE STEEL FRONT PANEL (10467)





EOS /  
EAS



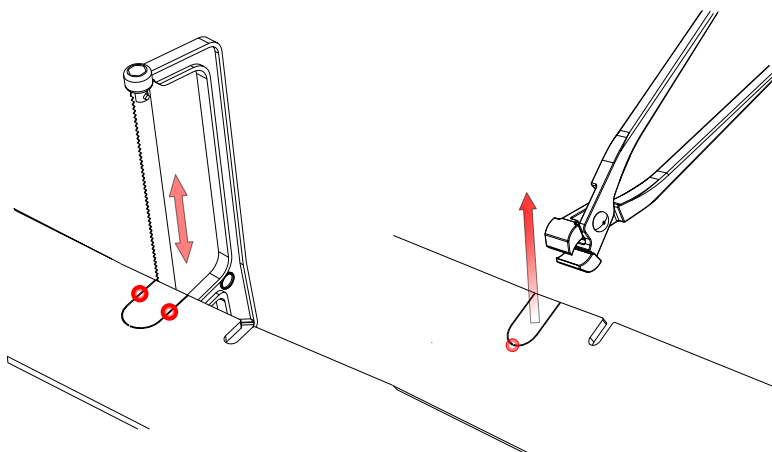
L / R

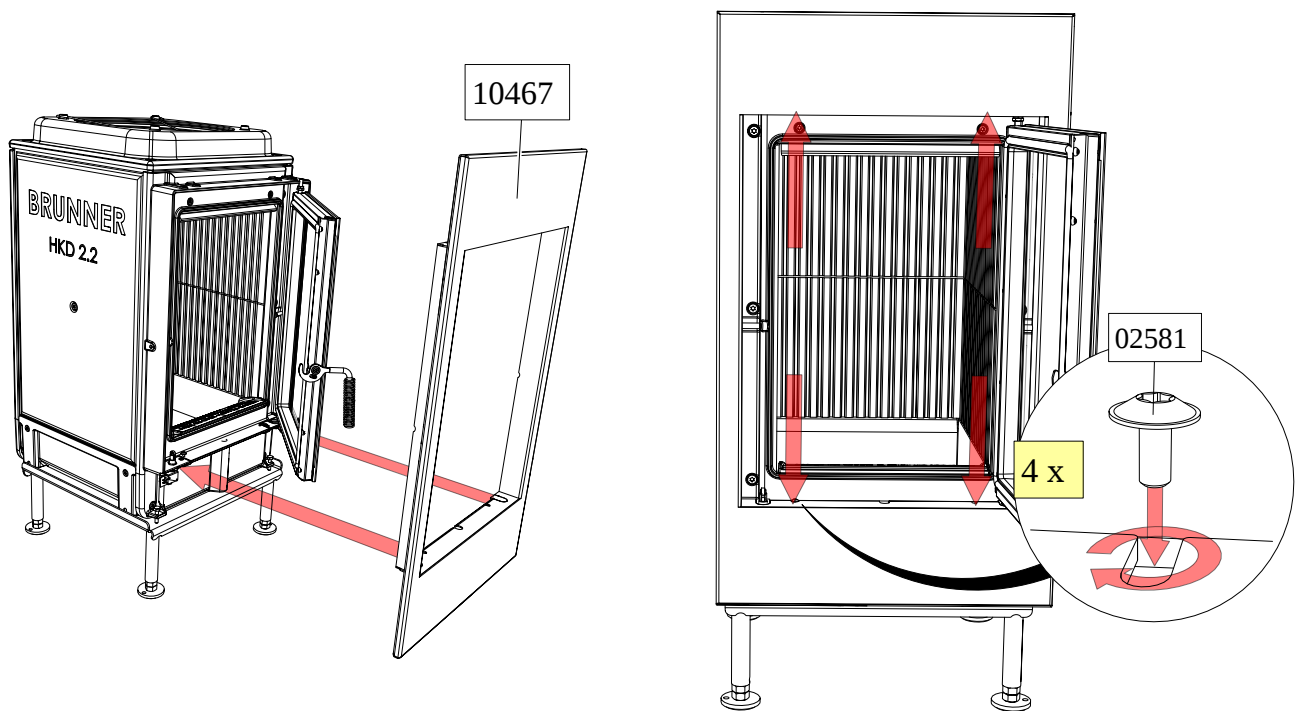


L =  
links

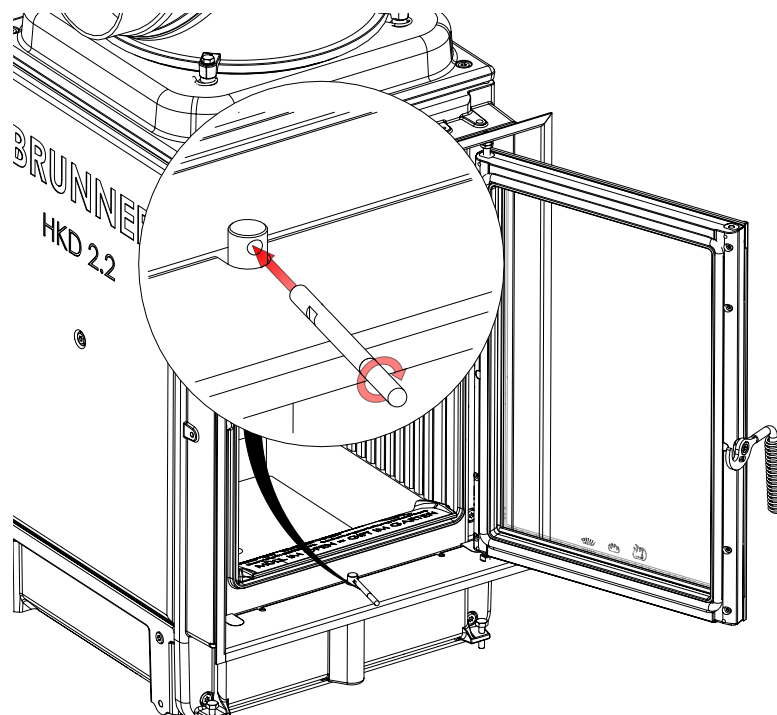


R =  
rechts



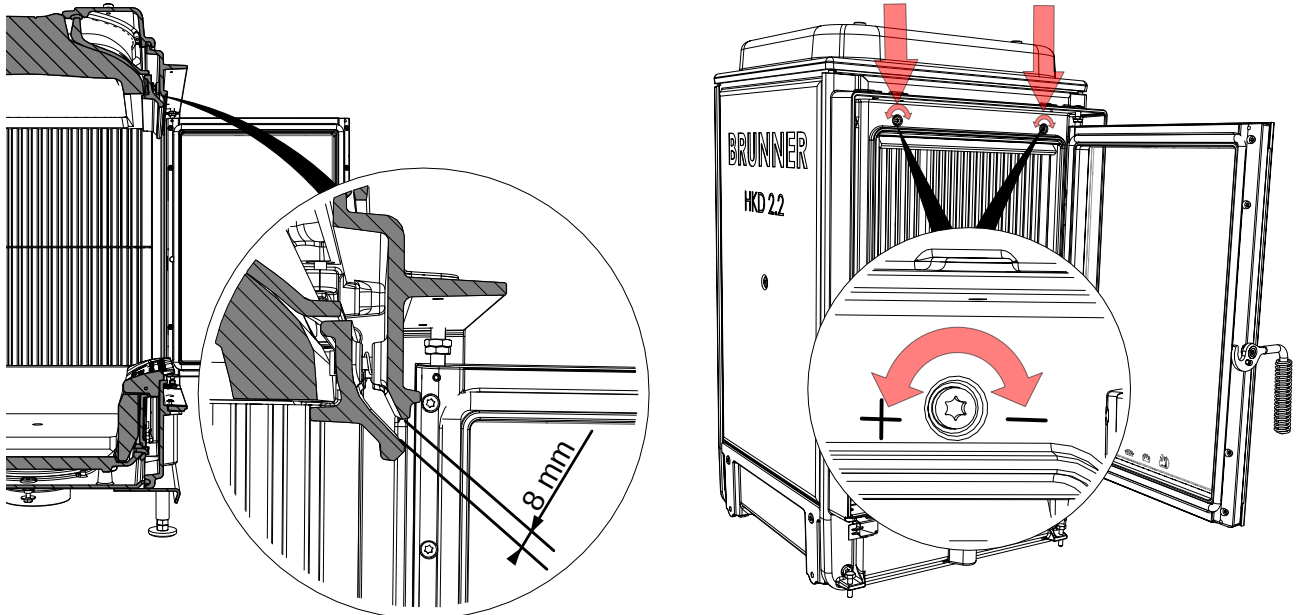


## 5.14 INSTALLATION OF THE AIR SLIDE HANDLE

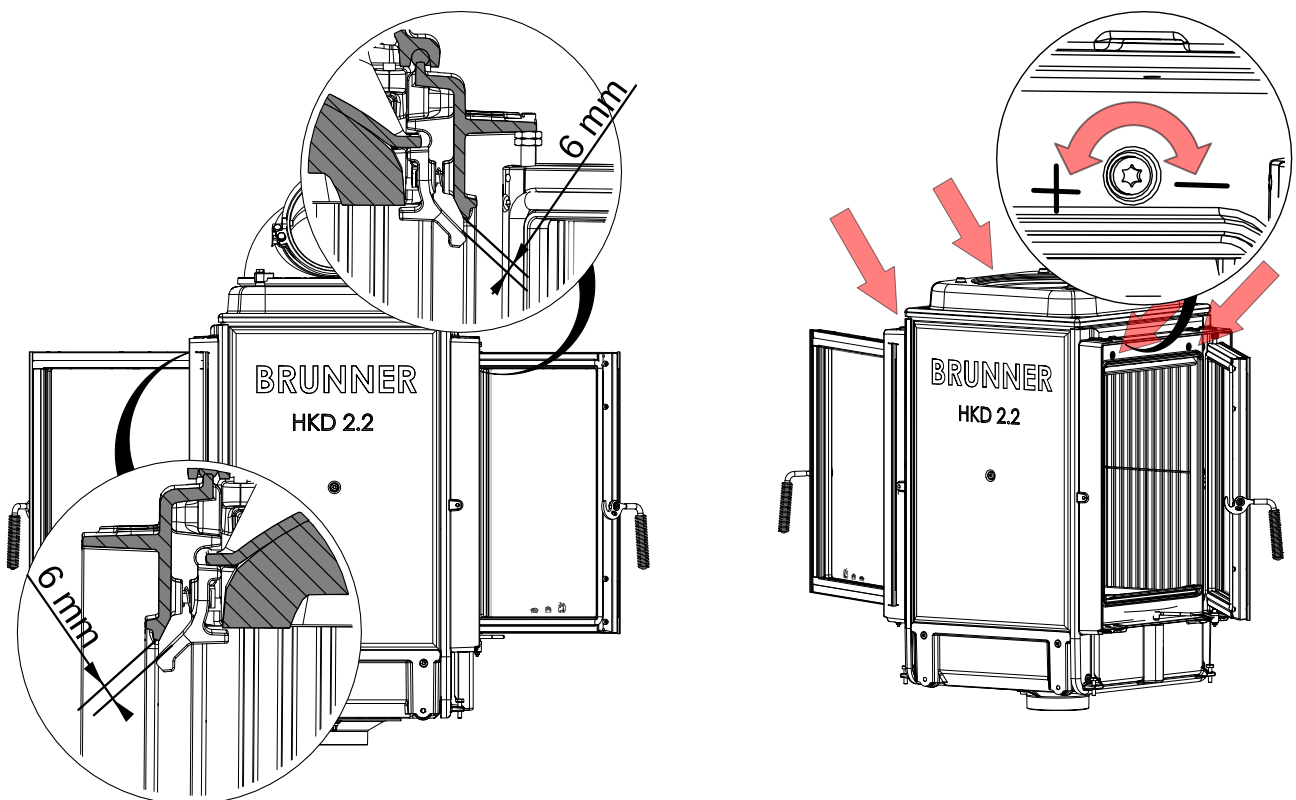


## 6 SETTINGS

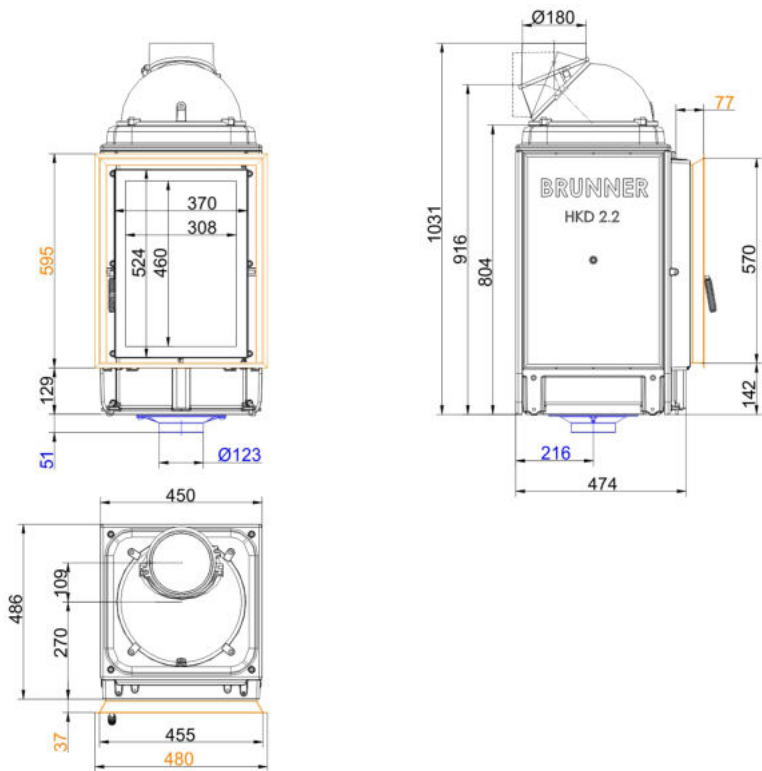
### 6.1 COMBUSTION AIR HKD 2.2



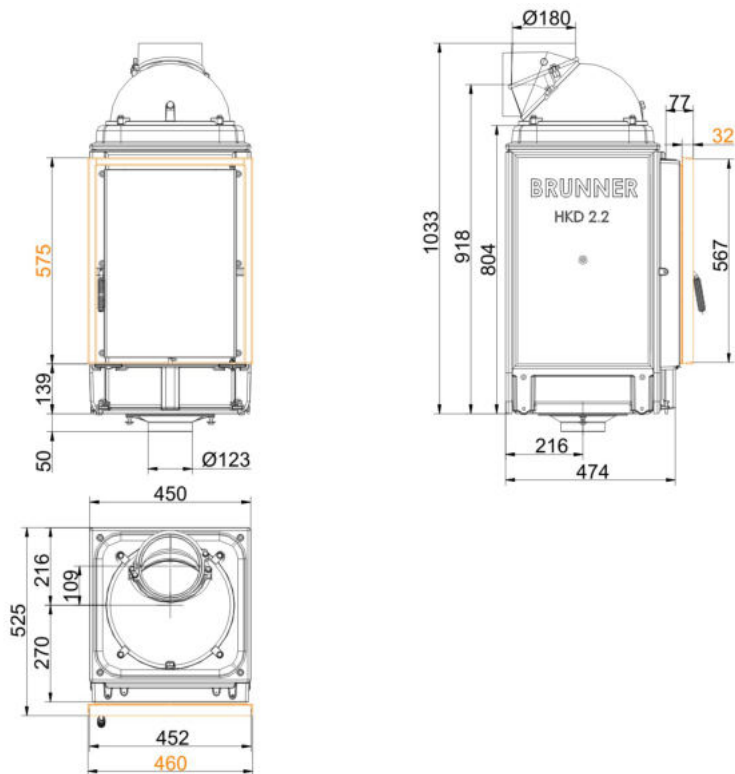
### 6.2 COMBUSTION AIR HKD 2.2 TUNNEL



Dimension sheets - HKD 2.2

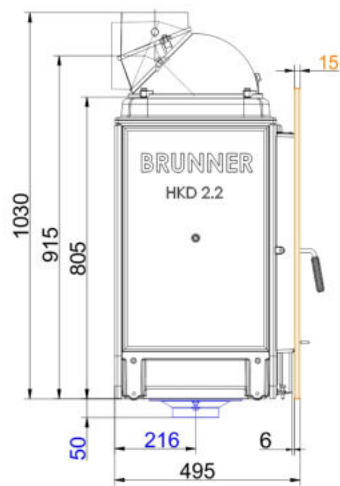
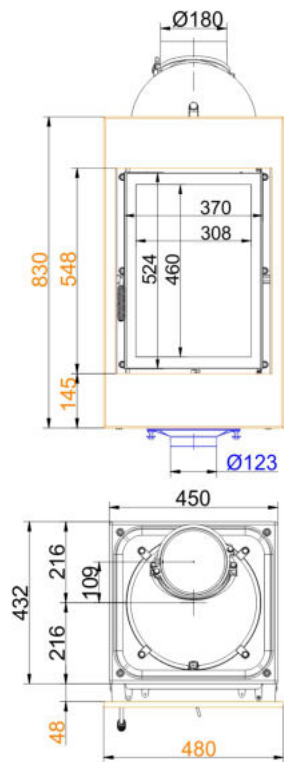


... flat with cast iron dome and steel door frame

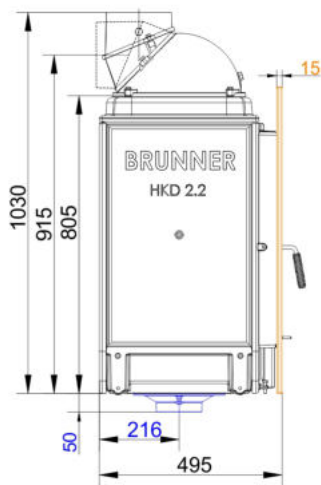
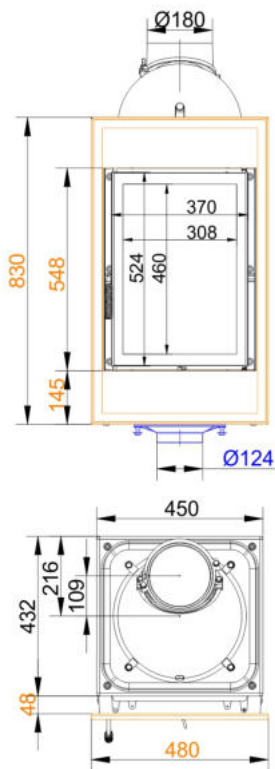


... flat with side opening door and mounting frame

Dimension sheets - HKD 2.2

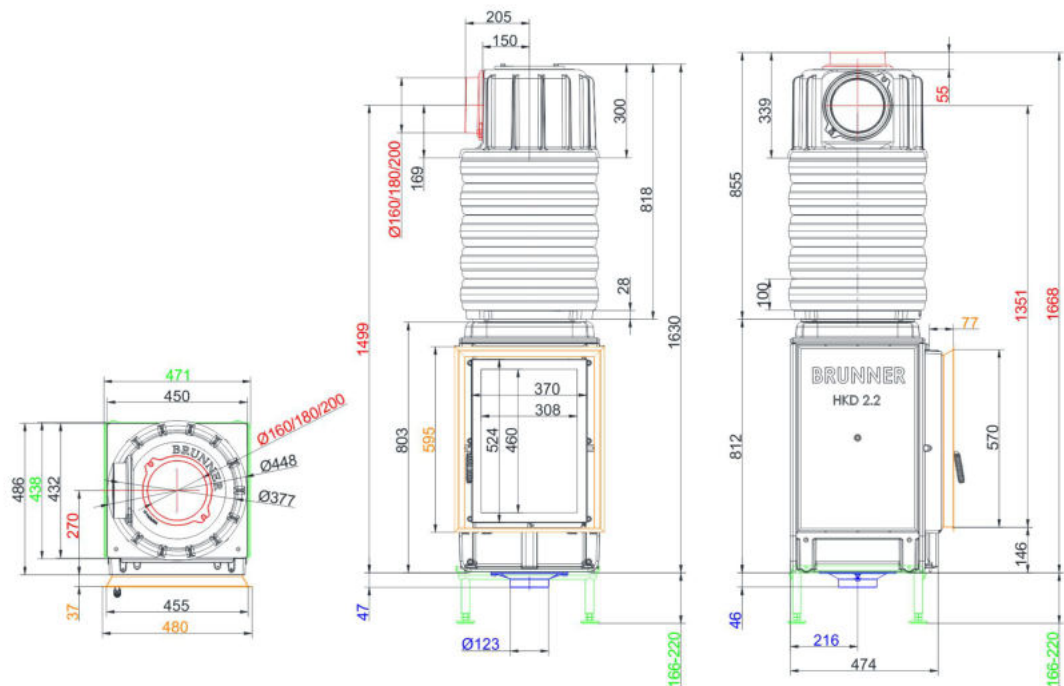


... flat with cast iron dome and steel front plate

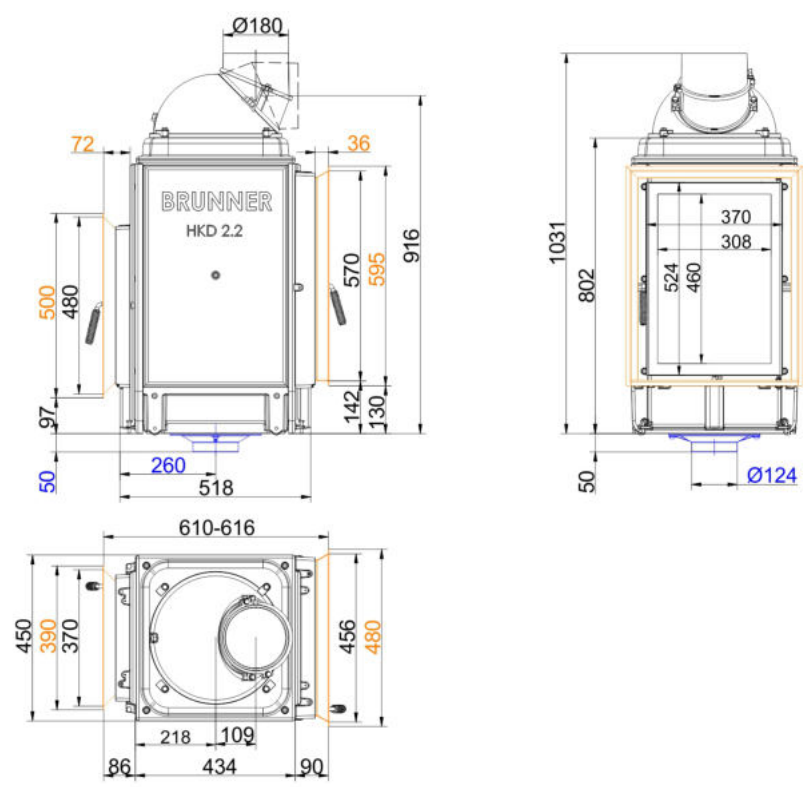


... flat with with cast iron dome and cast iron front plate

Dimension sheets - HKD 2.2

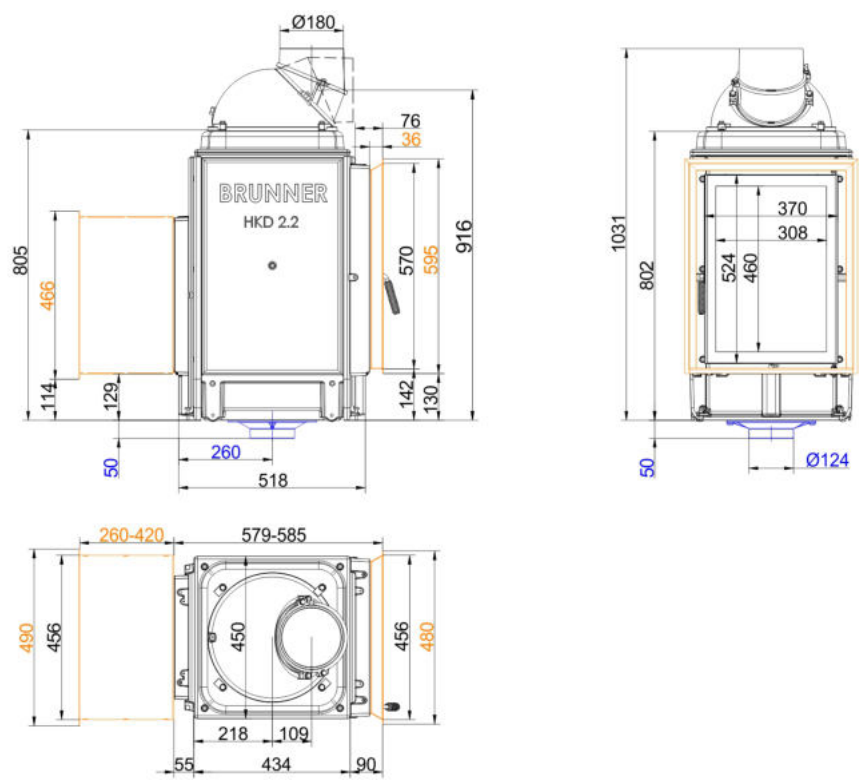


... flat with door frame and MAS

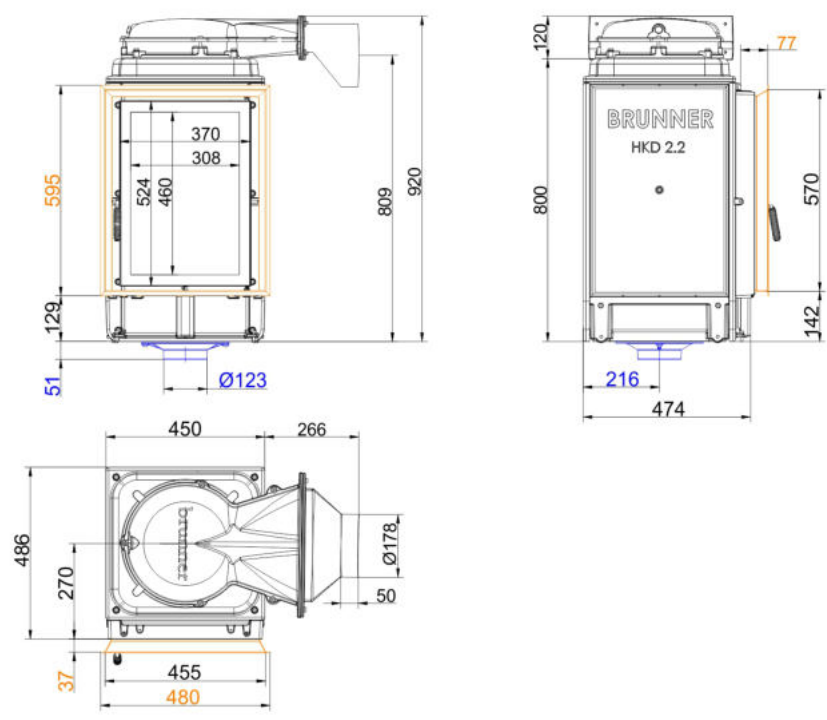


... flat with DHT (additional door)

Dimension sheets - HKD 2.2

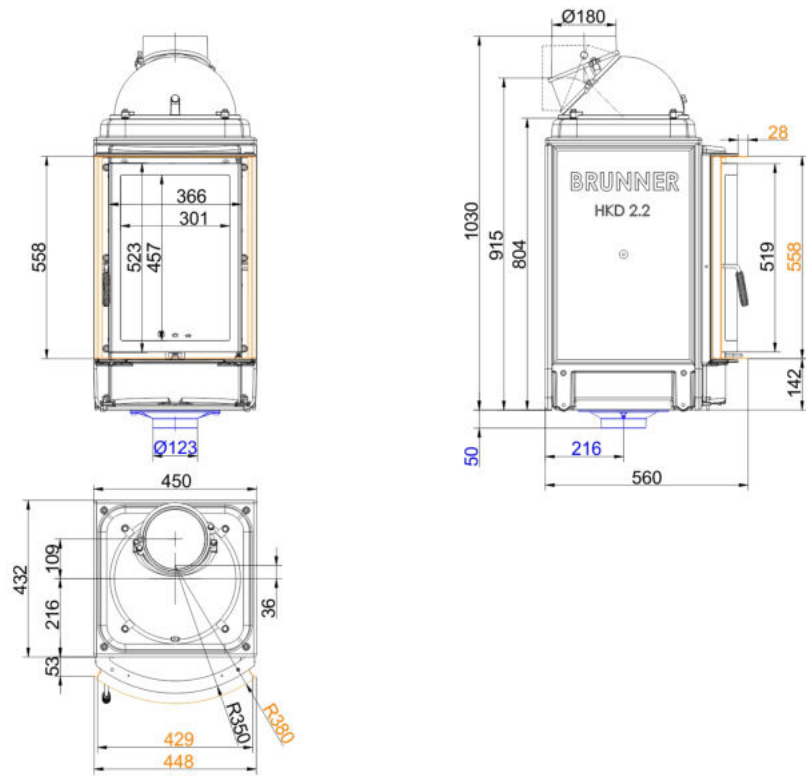


... flat with additional fire door

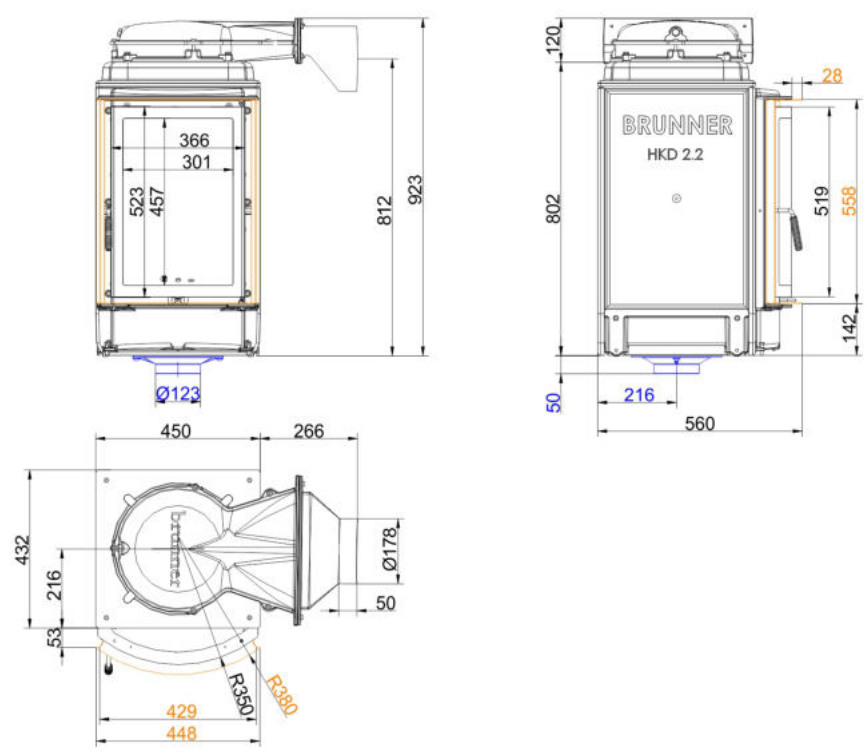


... door frame and cast iron dome low

Dimension sheets - HKD 2.2

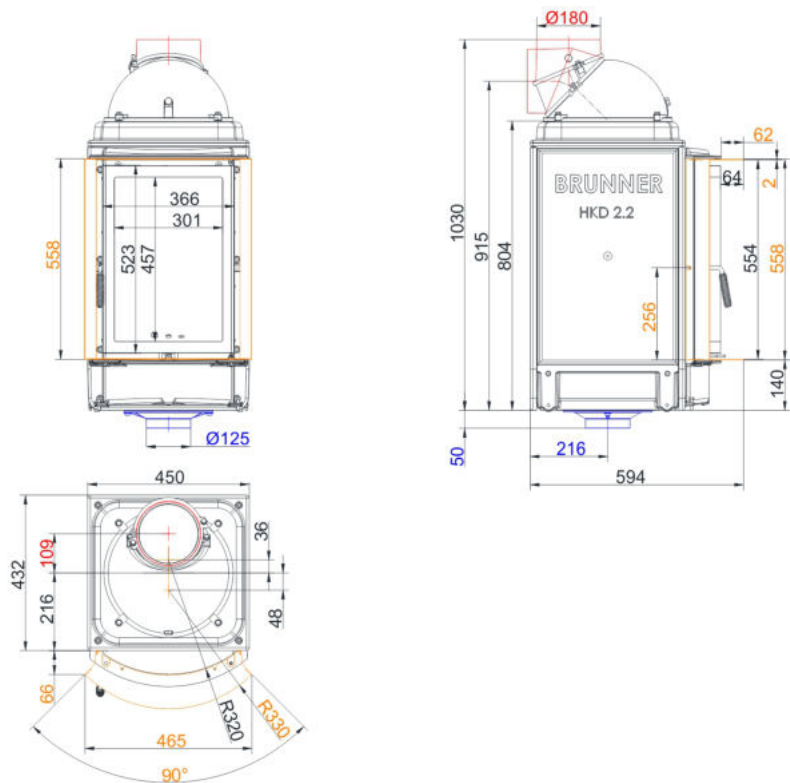


... round with cast iron dome and steel door frame

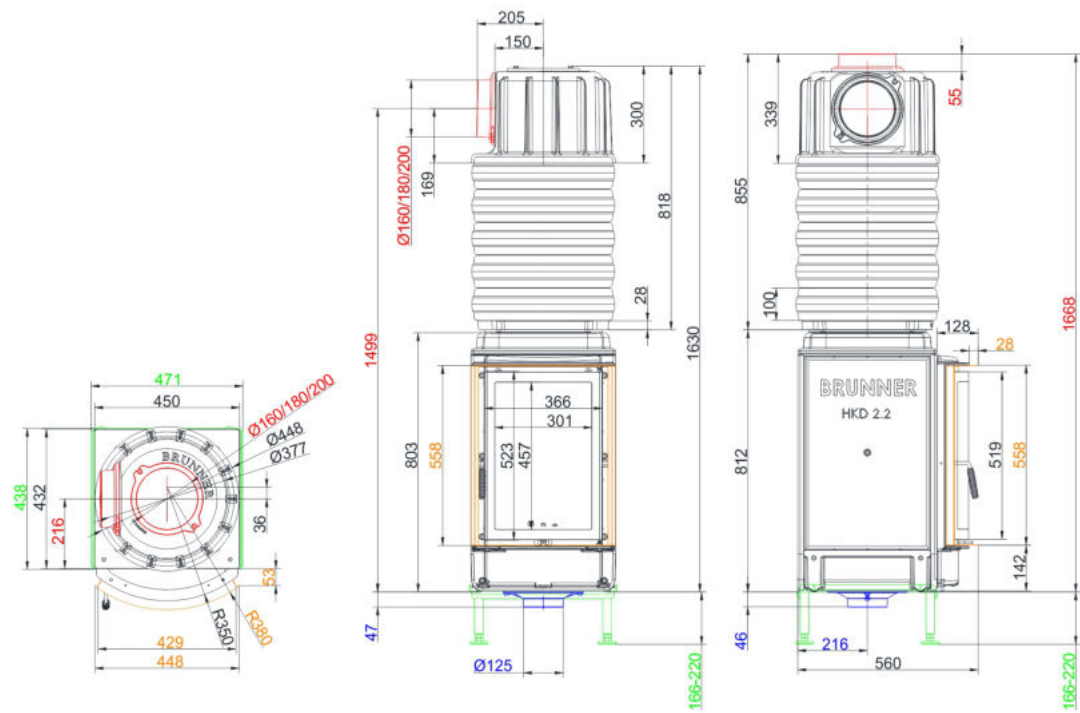


... round with lower cast iron dome, door frame

Dimension sheets - HKD 2.2

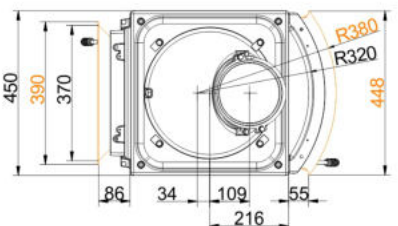
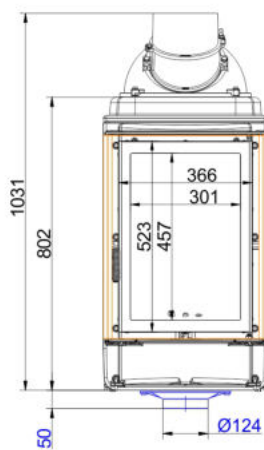
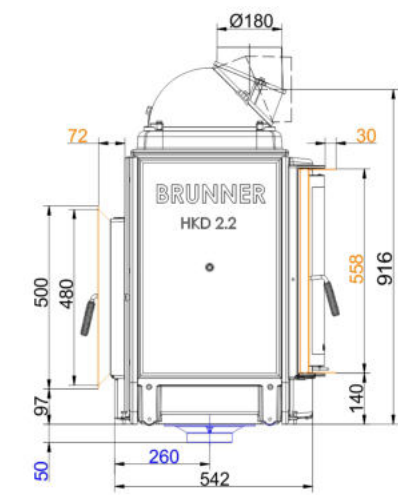


... round with mounting frame and cast iron dome

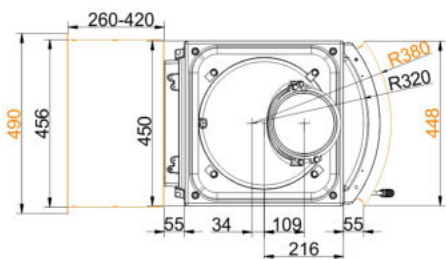
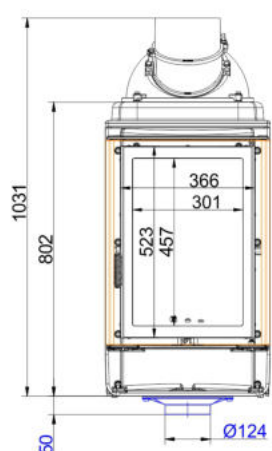
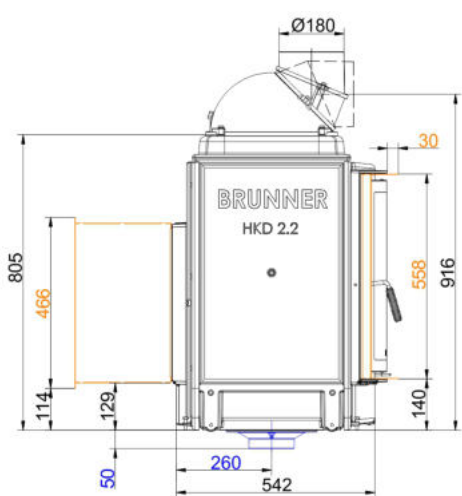


... round with door frame and MAS

Dimension sheets - HKD 2.2

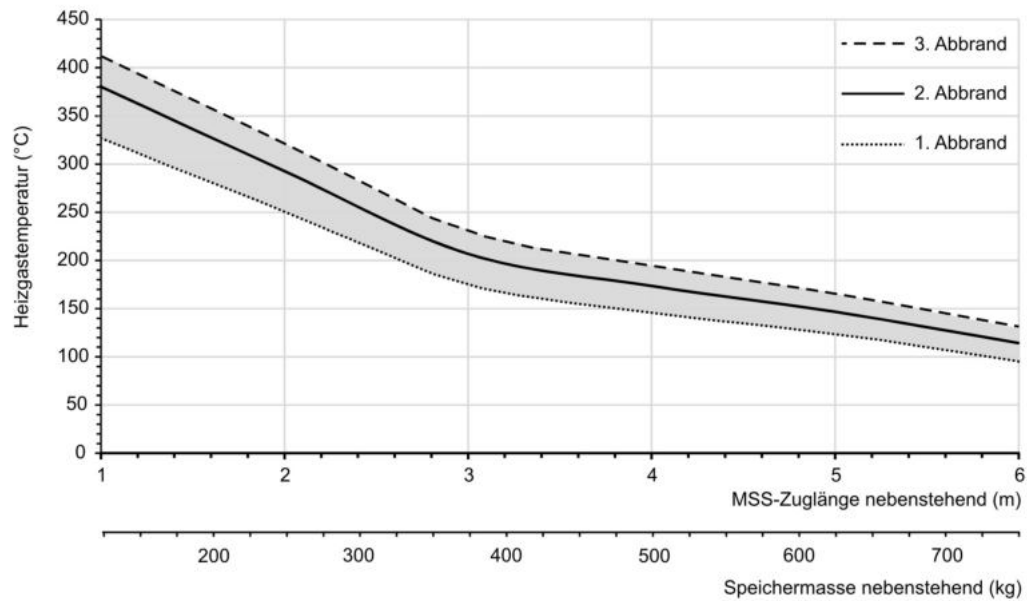


... round with DHT



... round with DHT and niche plate

## Dimension sheets - HKD 2.2



### Design characteristics for adjacent storage mass

We suggest for CAD planning Palette CAD. Permanent updated drawings: [www.brunner.de](http://www.brunner.de)

Frames/ flue gas outlet connection/ combustion air supply connection/ front variants/ support bearing are marked in color.

## Planning and installation - HKD 2.2

|                                                                     |                                                |                           |                                 |
|---------------------------------------------------------------------|------------------------------------------------|---------------------------|---------------------------------|
| Tested according to                                                 |                                                | EN 13229 W                | EN 13229 WA                     |
| Values measured at                                                  |                                                | Rated power <sup>1)</sup> | Storage operation <sup>2)</sup> |
| Suitable for all construction types according to rules              |                                                | OK                        | OK                              |
| <b>Data for functional demonstration</b>                            |                                                |                           |                                 |
| Rated heat power                                                    | kW                                             | 9                         | -                               |
| Fire wood volume                                                    | kg/h                                           | 2.5                       | 4                               |
| Combustion performance                                              | kW                                             | 11                        | 17                              |
| Flue gas mass flow                                                  | g/s                                            | 7                         | 17                              |
| Outlet temperature (before reheating surface)                       | °C                                             | 480                       | 520                             |
| Flue gas temperature after:                                         |                                                |                           |                                 |
| 1 x adjoining cast iron radiator (GNF 8/10)                         | °C                                             | 145                       | 165                             |
| 5 x accumulation rings incl. MAS casted cover <sup>3)</sup>         | °C                                             | 220                       | -                               |
| 4,1 m ceramic accumulator <sup>4)</sup>                             | °C                                             | -                         | 180                             |
| 2,8 m accumulation stones (MSS) <sup>4)</sup>                       | °C                                             | -                         | 215                             |
| boiler                                                              | °C                                             | 210                       | -                               |
| Necessary supply pressure                                           | Pa                                             | 12                        | 15                              |
| Combustion air consumption                                          | m³/h                                           | 25                        | 45                              |
| Efficiency                                                          | %                                              | -                         | 80                              |
| Combustion air connection Ø                                         | mm                                             | 125                       | 125                             |
| <b>Heating gas temperature (before the hood/dome variant)</b>       |                                                |                           |                                 |
| cast iron dome                                                      | °C                                             | 480                       | 520                             |
| <b>Heat distribution</b>                                            |                                                |                           |                                 |
| Insert / reheating surface                                          | %                                              | 45 / 30 - 35              | 45 / 30 - 35                    |
| Glass pane (single / double)                                        | %                                              | 25 / 20                   | 25 / 20                         |
| <b>Cross-section of gratings <sup>5)</sup></b>                      |                                                |                           |                                 |
| exhaust warm air                                                    | cm²                                            | 500 / 250 / 550           | 500 / 250 / 550                 |
| Recirculation air                                                   | cm²                                            | 500 / 250 / 550           | 500 / 250 / 550                 |
| <b>Minimal distances of the fireplace</b>                           |                                                |                           |                                 |
| to cladding, insulation layer                                       | cm                                             | 6                         | 6                               |
| to mounting floor                                                   | cm                                             | 15                        | 15                              |
| <b>Thermal insulation without / with air gratings <sup>6)</sup></b> |                                                |                           |                                 |
| Mounting wall                                                       | cm                                             | 14 / 10                   | 14 / 10                         |
| Floor                                                               | cm                                             | 0                         | 0                               |
| Ceiling                                                             | cm                                             | 22 / 16                   | 22 / 16                         |
| Isolation around the additional door                                |                                                | 6                         | 6                               |
| Brick lining for combustible wall                                   | cm                                             | 10                        | 10                              |
| <b>Weight</b>                                                       |                                                |                           |                                 |
| Fireplace / combustion chamber                                      | kg                                             | 207 / 58                  |                                 |
| <b>Meets requirement/limit values for:</b>                          |                                                |                           |                                 |
| Germany/ Austria / Switzerland / Norway                             | 1.BImSchV (Stufe 2) / 15a BVG (2015) / LRV / - |                           |                                 |

1) Indications to "Rated power" determined with metallic reheating surface

2) Indications to "Storage operation" for the manual execution of the reheating surface (guide values).

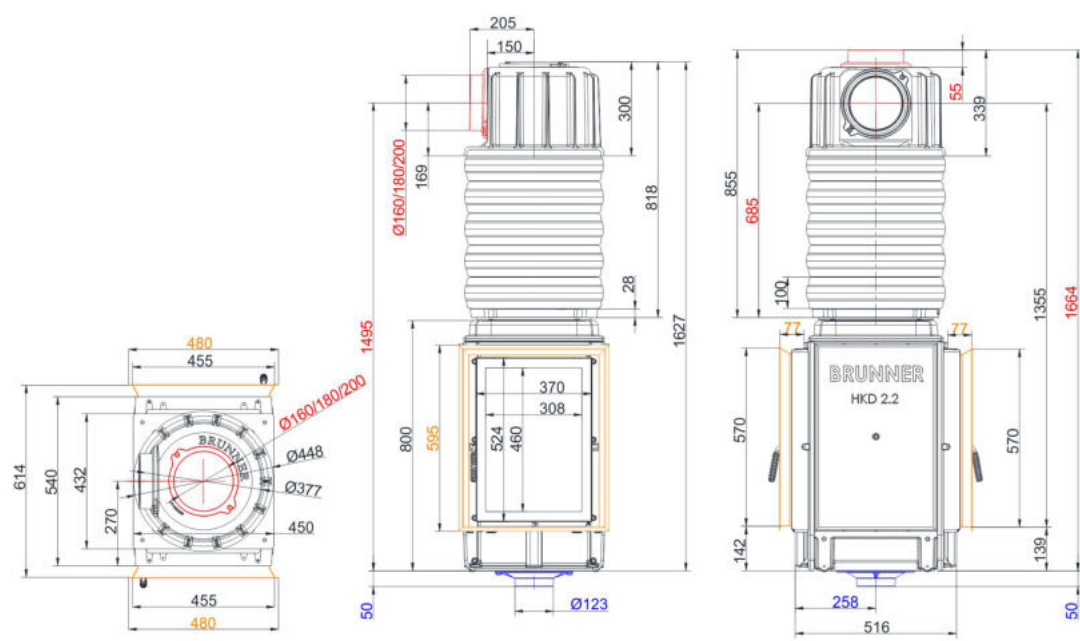
3) Damper flap recommended

4) Approximate value. Determination according to design characteristics for adjacent storage mass or proof of function provided by calculation

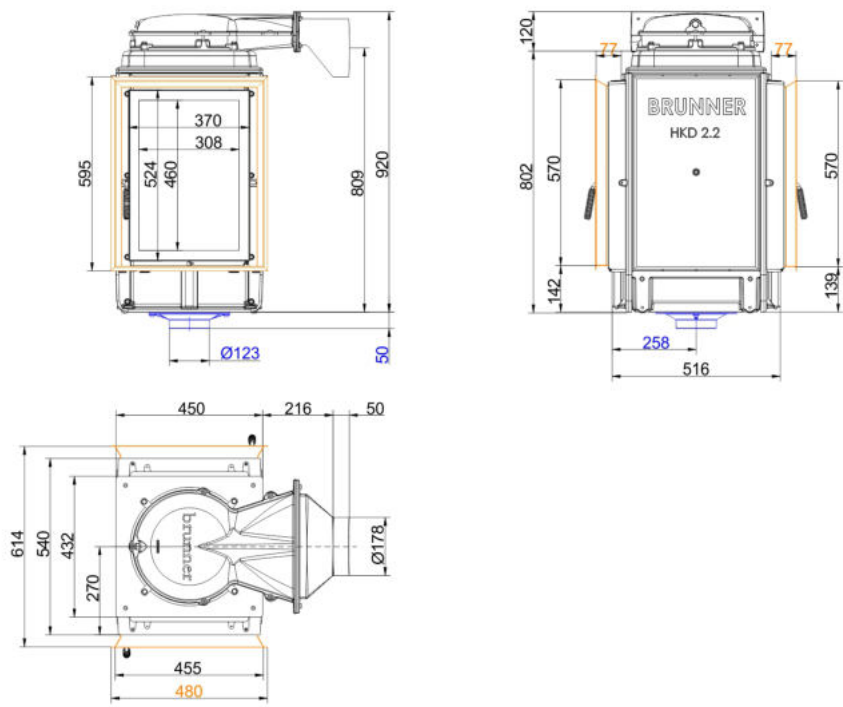
5) for fireplace inserts / flue gas pipe / metallic reheating surface

6) Values determined with upper air cross- sections; stove cladding is heat emitting

# Dimension sheets - HKD 2.2 Tunnel

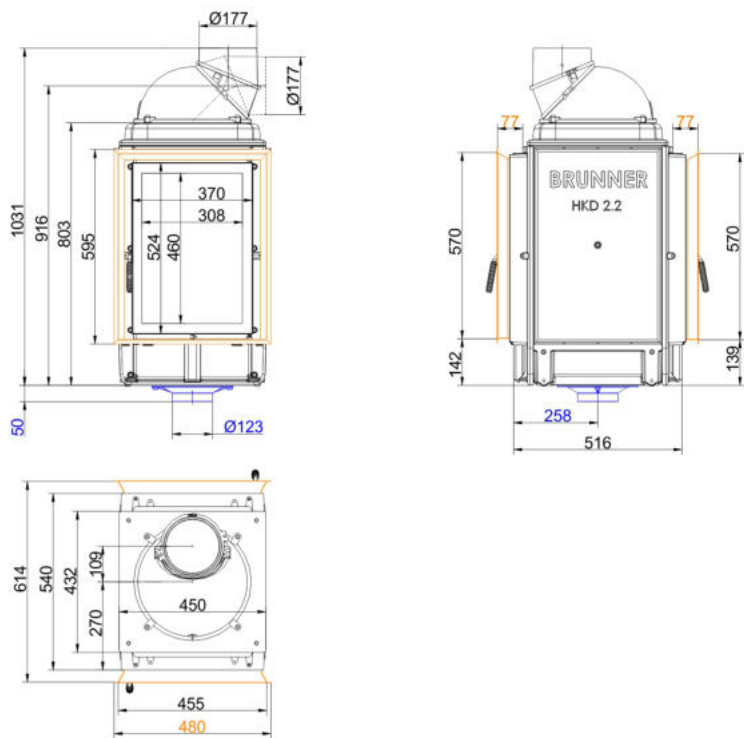


... flat with door frame and MAS

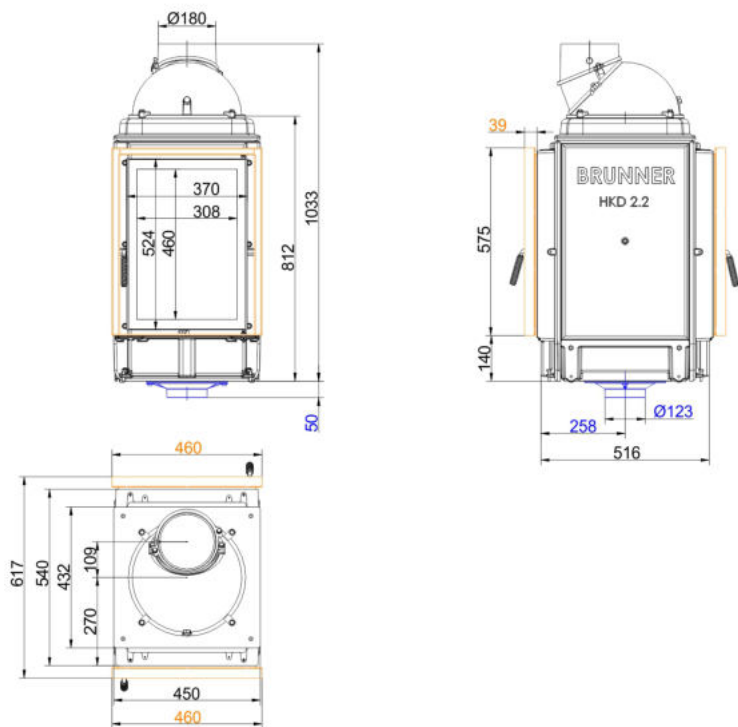


... door frame and cast iron dome low

Dimension sheets - HKD 2.2 Tunnel

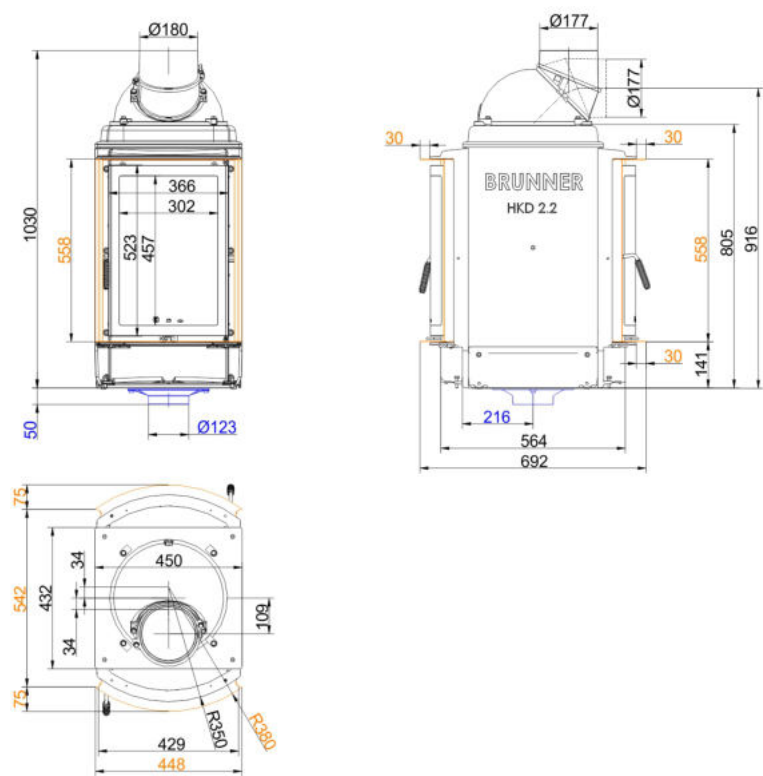


... flat with cast iron dome and steel door frame

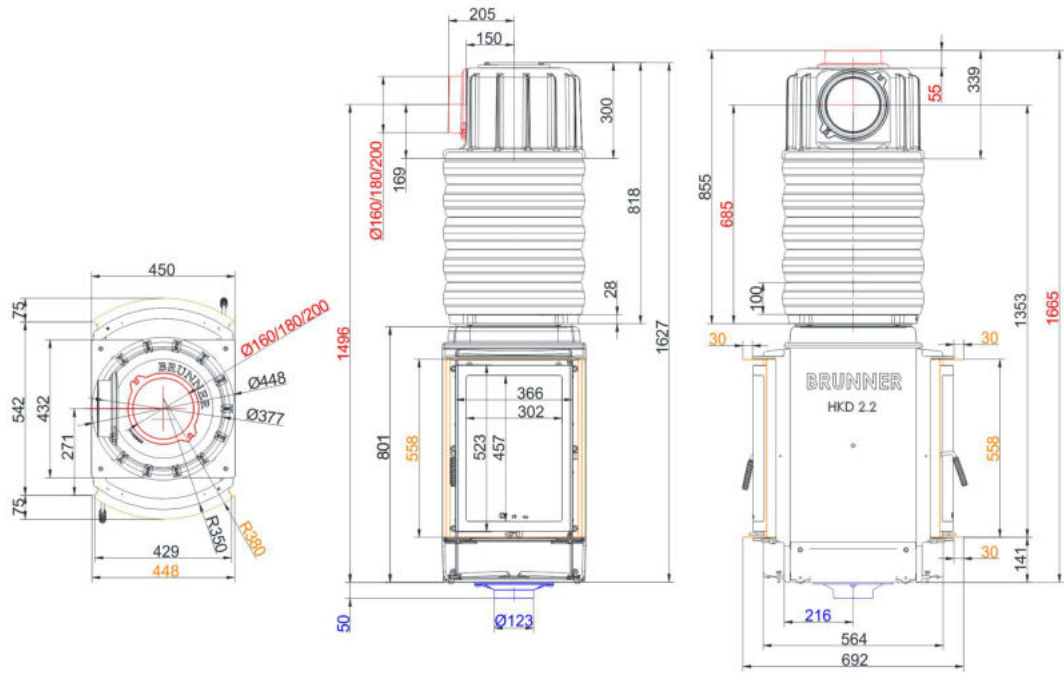


... flat with mounting frame made of raw steel

Dimension sheets - HKD 2.2 Tunnel

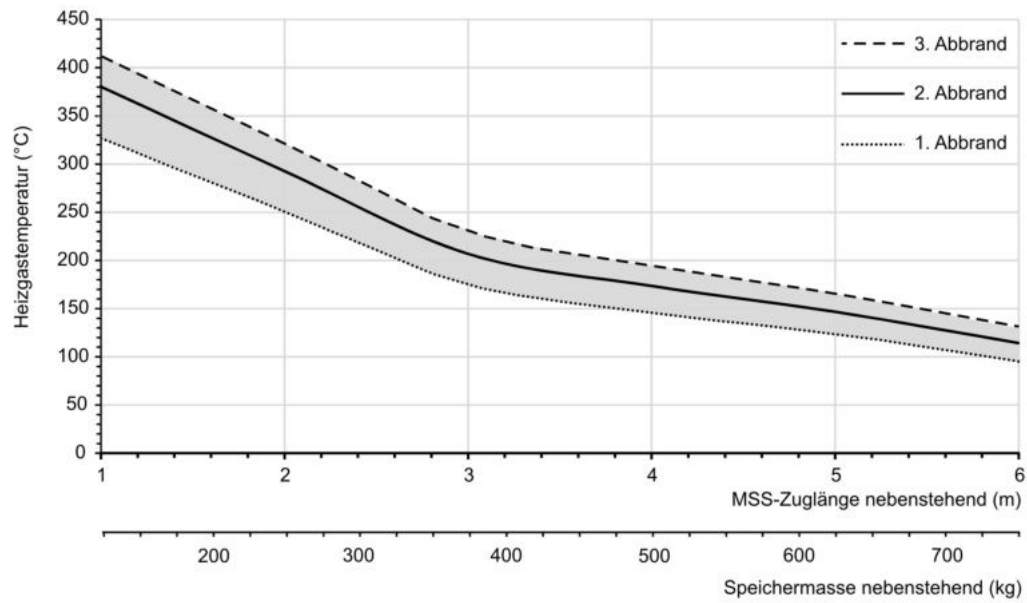


... round with cast iron dome and steel door frame



... round with door frame and MAS

## Dimension sheets - HKD 2.2 Tunnel



### Design characteristics for adjacent storage mass

We suggest for CAD planning Palette CAD. Permanent updated drawings: [www.brunner.de](http://www.brunner.de)

Frames/ flue gas outlet connection/ combustion air supply connection/ front variants/ support bearing are marked in color.

## Planning and installation - HKD 2.2 Tunnel

|                                                                     |      |                                                |                                 |
|---------------------------------------------------------------------|------|------------------------------------------------|---------------------------------|
| Tested according to                                                 |      | EN 13229 W                                     | EN 13229 WA                     |
| Values measured at                                                  |      | Rated power <sup>1)</sup>                      | Storage operation <sup>2)</sup> |
| Suitable for all construction types according to rules              |      | OK                                             | OK                              |
| <b>Data for functional demonstration</b>                            |      |                                                |                                 |
| Rated heat power                                                    | kW   | 9                                              | -                               |
| Fire wood volume                                                    | kg/h | 2.5                                            | 4                               |
| Combustion performance                                              | kW   | 11                                             | 17                              |
| Flue gas mass flow                                                  | g/s  | 7                                              | 17                              |
| Outlet temperature (before reheating surface)                       | °C   | 480                                            | 520                             |
| Flue gas temperature after:                                         |      |                                                |                                 |
| 1 x adjoining cast iron radiator (GNF 8/10)                         | °C   | 145                                            | 165                             |
| 5 x accumulation rings incl. MAS casted cover <sup>3)</sup>         | °C   | 220                                            | -                               |
| 4,1 m ceramic accumulator <sup>4)</sup>                             | °C   | -                                              | 180                             |
| 2,8 m accumulation stones (MSS) <sup>4)</sup>                       | °C   | -                                              | 215                             |
| boiler                                                              | °C   | 210                                            | -                               |
| Necessary supply pressure                                           | Pa   | 12                                             | 15                              |
| Combustion air consumption                                          | m³/h | 25                                             | 45                              |
| Combustion air connection Ø                                         | mm   | 125                                            | 125                             |
| <b>Heating gas temperature (before the hood/dome variant)</b>       |      |                                                |                                 |
| cast iron dome                                                      | °C   | 480                                            | 520                             |
| <b>Heat distribution</b>                                            |      |                                                |                                 |
| Insert / reheating surface                                          | %    | 40 / 30 - 35                                   | 40 / 30 - 35                    |
| Glass pane (single / double)                                        | %    | 30 / 25                                        | 30 / 25                         |
| <b>Heat output</b>                                                  |      |                                                |                                 |
| Heating surface fireplace                                           | m²   | 1.3                                            | -                               |
| Smoke pipe                                                          | m²   | 0.5                                            | -                               |
| GNF 10                                                              | pcs  | 1                                              | -                               |
| Metalic reheating surface                                           | m²   | 1.7                                            | -                               |
| <b>Cross-section of gratings <sup>5)</sup></b>                      |      |                                                |                                 |
| exhaust warm air                                                    | cm²  | 500 / 250 / 550                                | 500 / 250 / 550                 |
| Recirculation air                                                   | cm²  | 500 / 250 / 550                                | 500 / 250 / 550                 |
| <b>Minimal distances of the fireplace</b>                           |      |                                                |                                 |
| to cladding, insulation layer                                       | cm   | 6                                              | 6                               |
| to mounting floor                                                   | cm   | 15                                             | 15                              |
| <b>Thermal insulation without / with air gratings <sup>6)</sup></b> |      |                                                |                                 |
| Mounting wall                                                       | cm   | 14 / 10                                        | 14 / 10                         |
| Floor                                                               | cm   | 0                                              | 0                               |
| Ceiling                                                             | cm   | 22 / 16                                        | 22 / 16                         |
| Brick lining for combustible wall                                   | cm   | 10                                             | 10                              |
| <b>Weight</b>                                                       |      |                                                |                                 |
| Fireplace / combustion chamber                                      | kg   | 199 / 46                                       |                                 |
| <b>Meets requirement/limit values for:</b>                          |      |                                                |                                 |
| Germany/ Austria / Switzerland / Norway                             |      | 1.BImSchV (Stufe 2) / 15a BVG (2015) / LRV / - |                                 |

1) Indications to "Rated power" determined with metallic reheating surface

2) Indications to "Storage operation" for the manual execution of the reheating surface (guide values).

3) Damper flap recommended

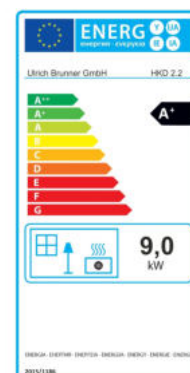
4) Approximate value. Determination according to design characteristics for adjacent storage mass or proof of function provided by calculation

5) for fireplace inserts / flue gas pipe / metallic reheating surface

6) Values determined with upper air cross- sections; stove cladding is heat emitting

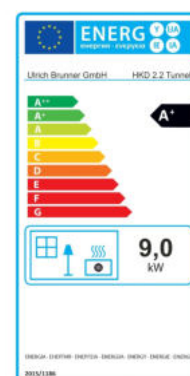
**Product data sheet according to (EU) 2015/1186:**

|                                                              |                     |
|--------------------------------------------------------------|---------------------|
| Supplier's name or trademark                                 | Ulrich Brunner GmbH |
| Model identifier:                                            | HKD 2.2             |
| Energy efficiency class:                                     | A+                  |
| Direct heat output:                                          | 9,0 kW              |
| Indirect heat output:                                        | N.A. kW             |
| Energy efficiency index:                                     | 109                 |
| Fuel energy efficiency (at nominal heat output):             | 82,0 %              |
| Fuel energy efficiency (at minimum load):                    | N.A. %              |
| Special precautions: see supplied product documenta-<br>tion |                     |



**Product data sheet according to (EU) 2015/1186:**

|                                                              |                     |
|--------------------------------------------------------------|---------------------|
| Supplier's name or trademark                                 | Ulrich Brunner GmbH |
| Model identifier:                                            | HKD 2.2 Tunnel      |
| Energy efficiency class:                                     | A+                  |
| Direct heat output:                                          | 9,0 kW              |
| Indirect heat output:                                        | N.A. kW             |
| Energy efficiency index:                                     | 109                 |
| Fuel energy efficiency (at nominal heat output):             | 82,0 %              |
| Fuel energy efficiency (at minimum load):                    | N.A. %              |
| Special precautions: see supplied product documenta-<br>tion |                     |



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