



Wood

**FOCUS**<sup>®</sup>

CREATE BEYOND CONVENTION

# BATHYSCAFOCUS

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## Installation and User Manual

Tested by OMNI-Test Laboratories, Inc. and approved in accordance with:

**UL 737-2011 and ULC S627-23**

**US EPA EXEMPT**

**Report number : 0304WF007S**

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This document was provided with your Focus fireplace.

**PLEASE READ AND RETAIN THIS MANUAL**





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# INTRODUCTION

Please read this entire manual before proceeding with installation and use. Failure to follow the instructions in this manual may result in serious property damage and bodily injury, including fatal injury. Be sure to contact local authorities for additional information on regulations in your area. Failure to comply with this manual will automatically void the Focus warranty.

Consult with competent authorities (e.g., municipal building services, fire departments, fire prevention offices) before installation to determine if a permit is required.

All **WARNINGS** and **SAFETY RULES** will appear in highlighted boxes.

Keep this manual in an accessible location for future reference.

Thank you for choosing a Focus fireplace.

Manufactured by:  
Atelier Dominique Imbert s.a.s.  
34380-Viols le Fort-France  
www.focus-creation.com

tested to USA: UL737-2011  
CANADA: ULC S627-23

**CAUTION: HOT WHILE IN OPERATION  
DO NOT TOUCH. KEEP CHILDREN AND  
CLOTHING AWAY. CONTACT MAY  
CAUSE SKIN BURNS. SEE NAMEPLATE AND  
INSTRUCTIONS. KEEP FURNISHINGS AND OTHER  
COMBUSTIBLE MATERIALS A CONSIDERABLE  
DISTANCE AWAY FROM THIS APPLIANCE.**

Report Number: 0304W1E0078

LISTED SOLID FUEL FIREPLACE SERIAL NO.  
STOVE / MODEL: BATHYSCAFOCUS

DATE OF MANUFACTURE:

01	02	03	04	05	06	07	08	09	10	11	12	2005	2006	2007	2008	2009
■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

### CLEARANCE TO COMBUSTIBLE SURFACES

A: UNIT TO WALLS: 38"  
B: CHIMNEY CONNECTOR TO WALLS: 47"  
C: UNIT BOTTOM OPENING TO FLOOR: 20"  
MINIMUM FLOOR TO CEILING HEIGHT: 8'

### FLOOR PROTECTION

Floor protection must be made of non-combustible material or equivalent (R value of 0,6 or greater) extending beneath heater and to front / sides / rear as indicated on the diagram.

In the USA: 8" to either side of the fireplace opening and 16" to the front of the fireplace opening.  
\* In Canada 8" to the sides and back of the fireplace and 18" to the front of the fireplace.

Note: when the fireplace is rotating the floor protection diameter must be: Ø60" (USA) and Ø64" (Canada)

### PREVENT HOUSE FIRES:

Install and use only in accordance with manufacturer's installation and operation instructions and local codes. In absence of any local codes, installation must meet minimum requirements of NFPA 221 in USA, in Canada CSA B365. Refer to manufacturer's instructions and local codes for precautions required for passing chimney system through a combustible wall or ceiling. Inspect and clean chimney system frequently in accordance with manufacturer's instructions. Do not connect this unit to a chimney serving another appliance. For use with solid wood fuel only. OPERATE ONLY WITH SCREEN IN PLACE. Must use flue connector, anchor plate and connection pieces provided by Focus for installation, refer to owners manual for installation instructions. Chimney must be factory built UL 103HT or masonry. Inspect and clean chimney frequently. Under certain conditions of use, creosote build-up may occur rapidly. Contact local building or fire officials about restrictions and installation inspection in your area. DO NOT OVERFIRE - IF UNIT OR CHIMNEY CONNETOR GLOWS, YOU ARE OVERFIRING.

**Exempt from EPA Certification under 40CFR60.531**

# SPECIFICATIONS

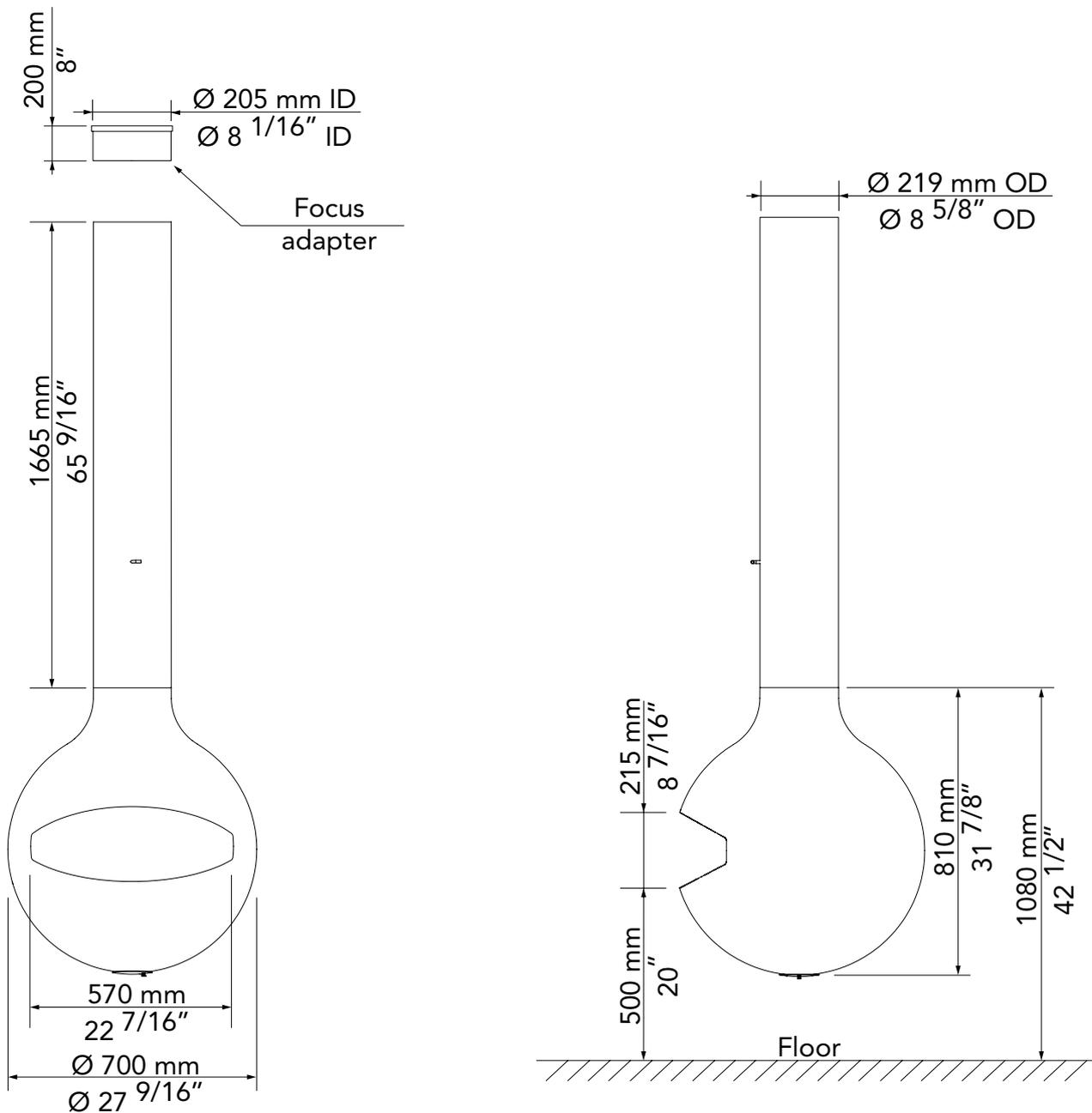
**⚠ WARNING :**

**DO NOT INSTALL IN ANY FIREPLACE. DO NOT INSTALL OUTDOORS.**

**DO NOT CONNECT OR USE IN CONJUNCTION WITH AIR DISTRIBUTION DUCTS UNLESS THEY ARE SPECIFICALLY APPROVED FOR THIS INSTALLATION.**

**DO NOT INSTALL IN A TRANSPORTABLE BUILDING.**

## ■ DETAILED PLAN



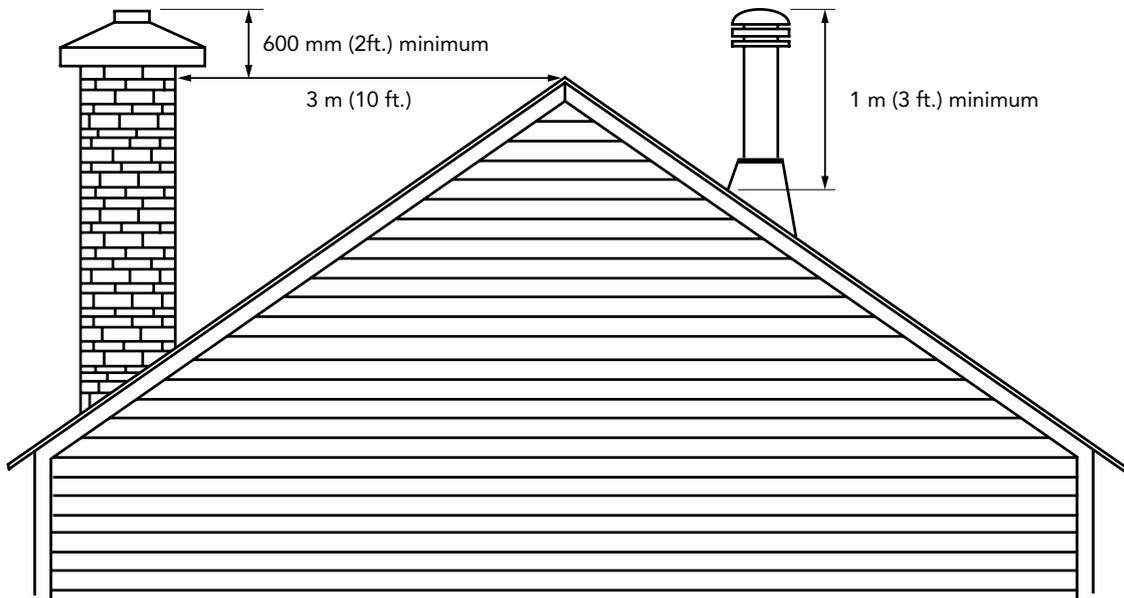
**Hearth weight :** 57 kg (126 lbs)

**Steel flue weight :** 16 kg/meter (10,6 lbs/foot)

**Suspension plate weight :** 66 kg (145 lbs)

# SPECIFICATIONS

## ■ ROOF OUTLET REQUIREMENTS



## ■ CHIMNEY REQUIREMENTS



### **WARNING :**

**DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.**

The total length of the flue (interior + exterior) must be at least 3000 mm (10').

If the fireplace is installed less than 5 km (3 miles) from the ocean or with a 30° elbow or more, the total length must be at least 4000 mm (13').

The appliance must be connected to a flue that meets the specifications for HT-type chimneys, as described in the UL 103 / ULC S629 standard.

## ■ SUPPORTING STRUCTURE RULES



### **WARNING :**

**THE SUSPENSION PLATE SUPPORT (ROOF STRUCTURE, SLAB, ETC.) MUST BE SIZED TO ACCOMMODATE BOTH THE STATIC AND DYNAMIC LOADS OF THE FIREPLACE. IT IS YOUR RESPONSIBILITY TO CONSULT AN ENGINEER OR ARCHITECT TO PERFORM THESE CALCULATIONS.**

# SPECIFICATIONS

## ■ CONNECTORS

All connectors, including the Focus steel flue, the Focus universal adapter (200 mm / 8"), and the finishing collar provided by the chimney manufacturer with a single-wall connection, are categorized as non-insulated chimney components.

To avoid thermal traps, it is essential that the chimney connector does not pass through an attic, roof space, closet, or any concealed area that could act as a heat trap, including floors or ceilings.

In cases where passing through an attic, roof framing, floor, or ceiling is unavoidable, it must be done using an insulated chimney.

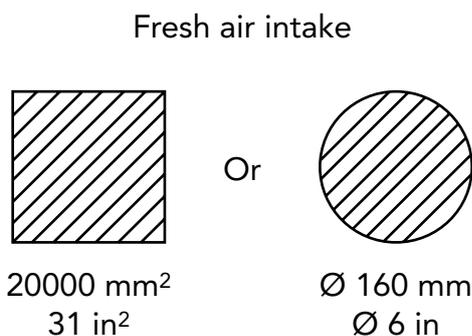
Furthermore, strict adherence to the "safety distances from combustible materials" outlined on page 8 is essential.

**⚠ WARNING :**

**PASSING THROUGH A WALL OR COMBUSTIBLE CONSTRUCTION IS NOT SUITABLE FOR THIS FIREPLACE.**

## ■ FRESH AIR INLET DEVICE

For optimal performance, Focus recommends installing a fresh air intake in the room, ideally positioned beneath the fireplace. We suggest using the **Deflect-O A0684 semi-rigid aluminum duct**. The minimum size for the fresh air inlet is:

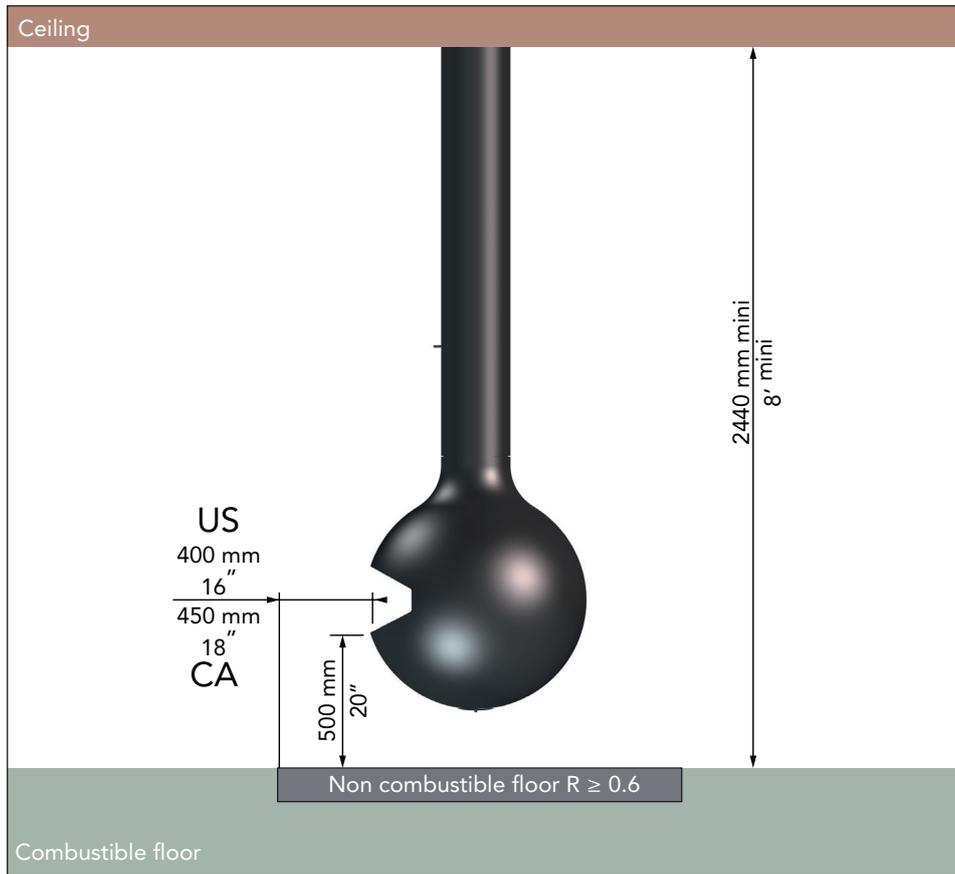


**⚠ WARNING :**

**THIS FRESH AIR INLET DEVICE IS MANDATORY WHEN USING MECHANICAL VENTILATION SYSTEMS SUCH AS KITCHEN HOODS, PERMANENT AIR EXTRACTORS, OR ANY OTHER AIR CONDITIONING SYSTEM THAT CREATES A VACUUM IN THE HOME.**

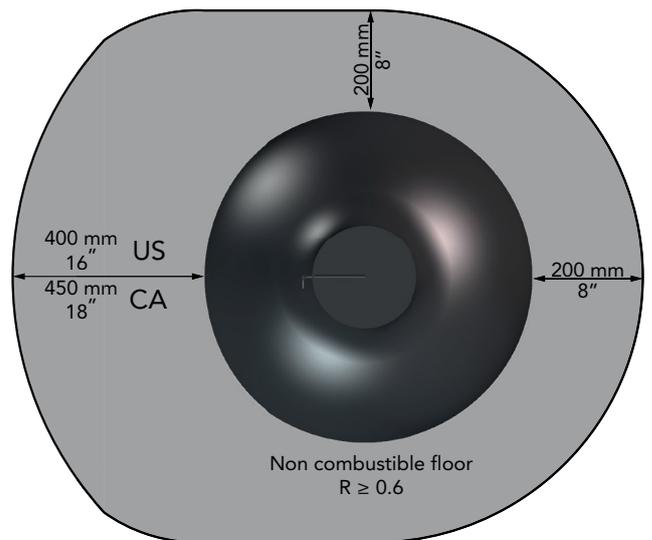
# SPECIFICATIONS

## ■ FLOOR CLEARANCE REQUIREMENTS



**360° Rotating Fireplace**

**Fixed Fireplace with Rotation restrictor**

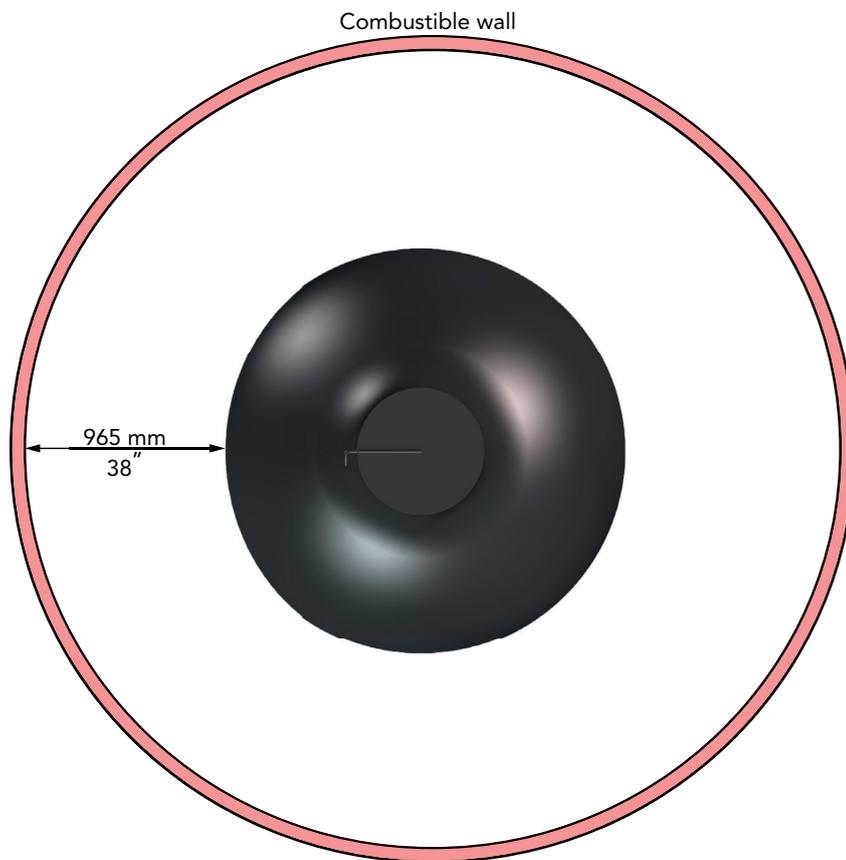


**WARNING :**

**HEATED FLOORS ARE NOT PERMITTED.**

# SPECIFICATIONS

## ■ WALL CLEARANCE REQUIREMENTS



### **NOTE :**

The clearance from the Focus steel flue is 1200 mm (47").

### **NOTE :**

- When the fireplace is placed near a non-combustible wall, maintain a minimum clearance of 100 mm (4") for adequate ventilation. To prevent premature aging of painted walls, only use mineral or acrylic paints.
- The fire clearance to glass (from the edge of the fireplace) is 800mm (31 1/2").
- The fire clearance to a PVC window: refer to the technical specifications of the window.

### **⚠ WARNING :**

**FIRE CLEARANCES MAY ONLY BE REDUCED WITH THE APPROVAL OF THE RELEVANT AUTHORITIES.**

# SPECIFICATIONS

## ■ MATERIALS, PARTS, AND TOOLS INCLUDED FOR INSTALLATION

### **Supplied with Delivery :**

- The fireplace.
- Steel flue.
- Adjustable suspension plate or fixed suspension plate.
- The grate.
- The spark guard.
- 4 insulating washers (heat-loss prevention).
- Rotation restrictor.
- Focus kit (thermal protective glove, assembly gloves, touch-up spray paint, ash trap, the cold handle and this manual)

### **Optional :**

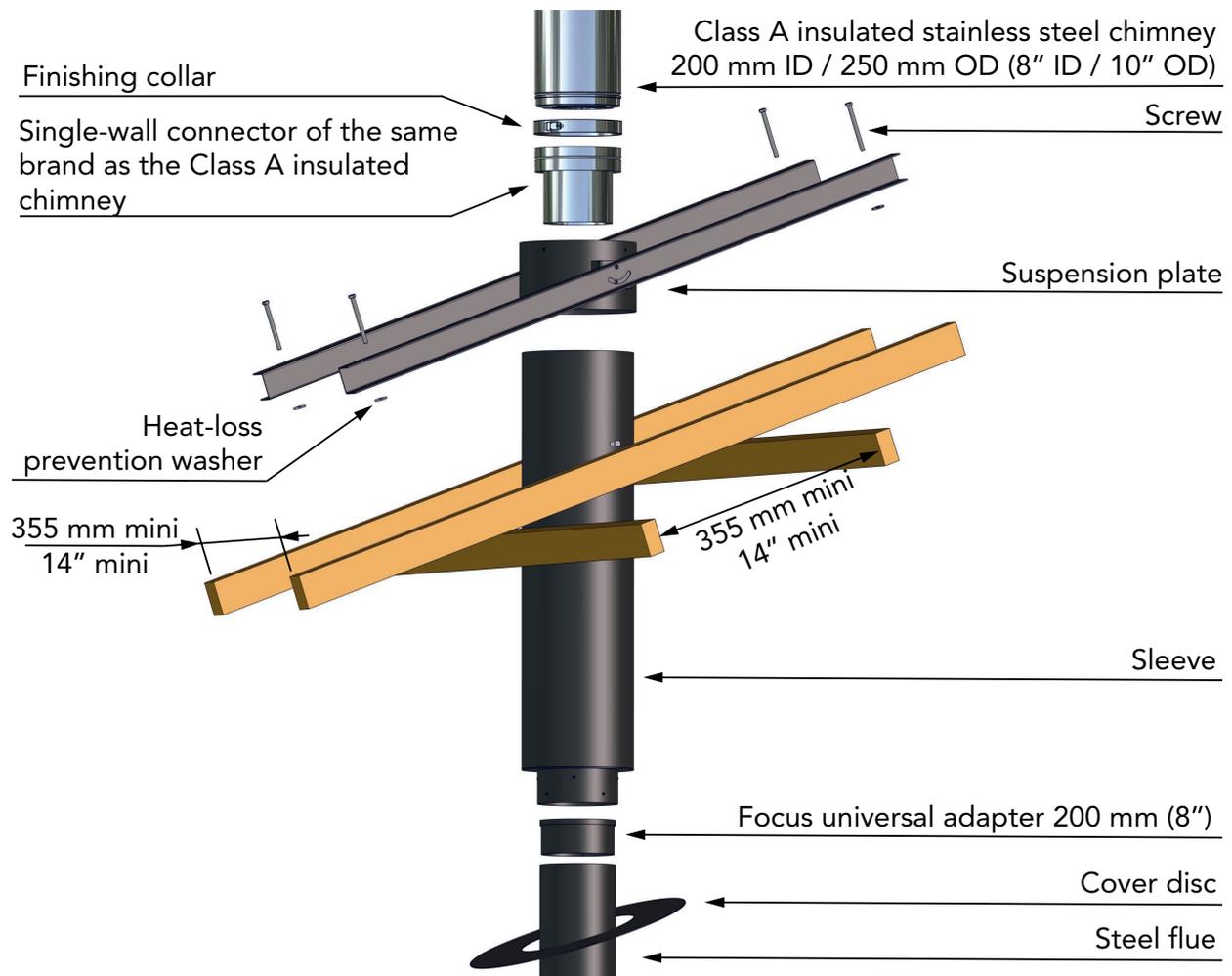
- Cover disc.
- Steel flue extension.

### **Minimum Tools Required for Installation :**

- Drill.
- Allen keys (M4 and M2.5).
- Screwdriver set.
- Open-end wrench (M12).
- Scaffolding (depending on ceiling height).
- A minimum of two people is required.

# INSTALLATION

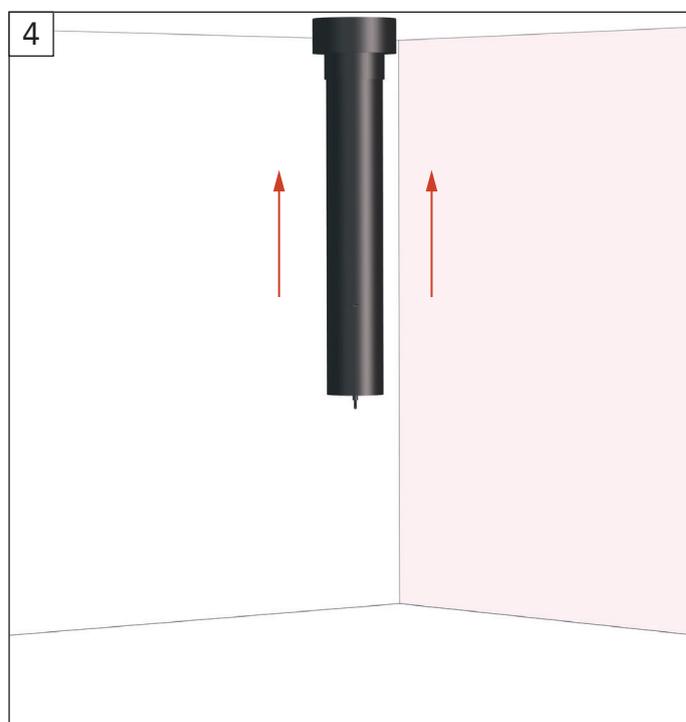
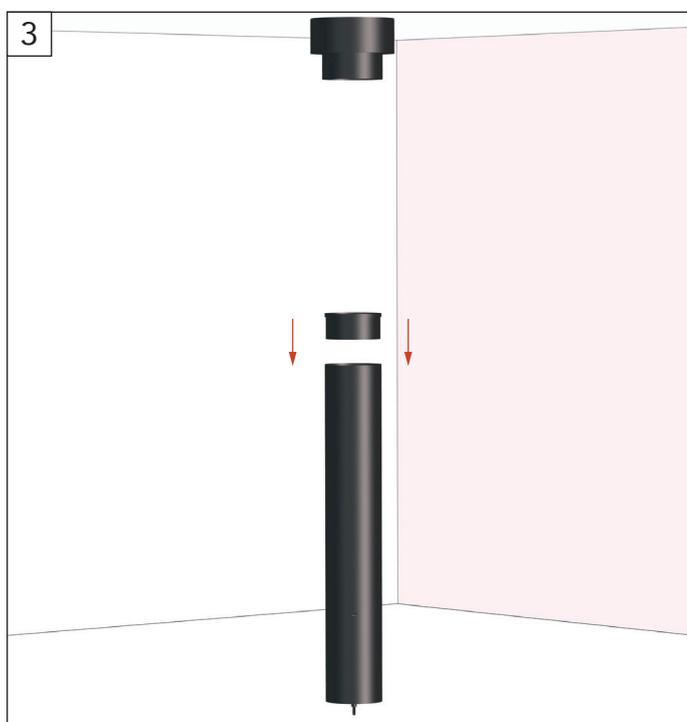
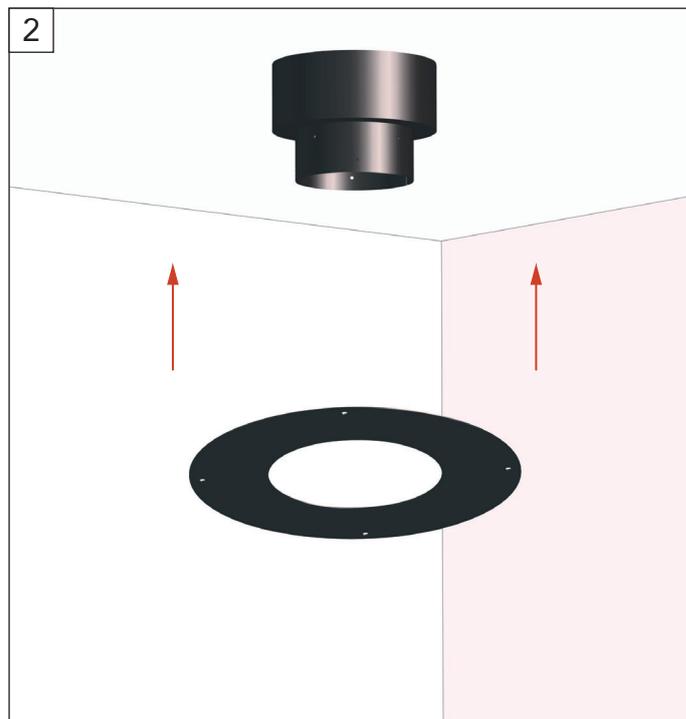
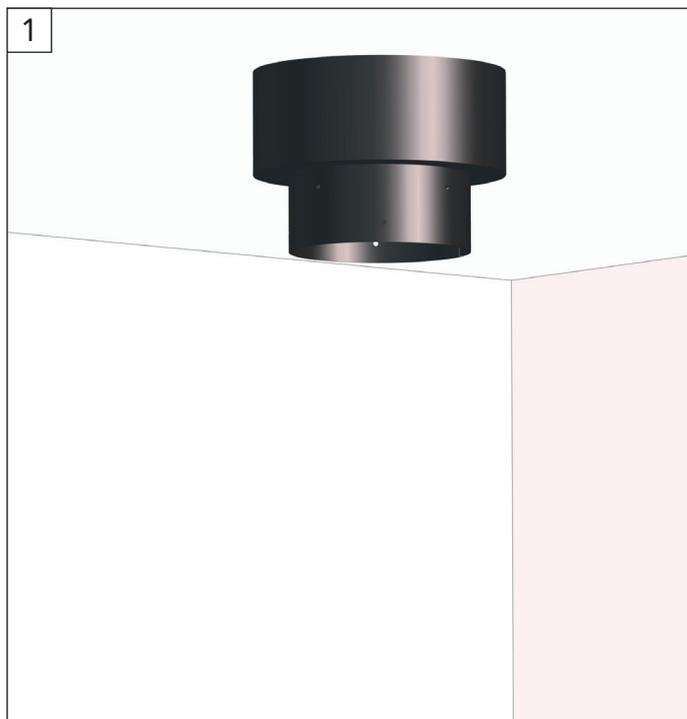
## ■ ASSEMBLY OF THE ADJUSTABLE SUSPENSION PLATE



**Note :** For more information, please refer to the appendix "Adjustable Suspension Plate".

# INSTALLATION

## ■ FIREPLACE INSTALLATION

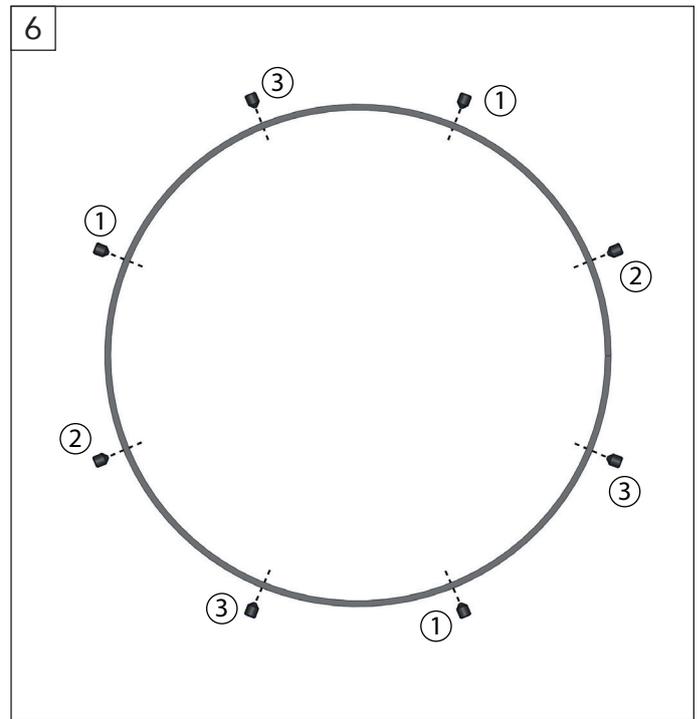


Put the 200 mm (8") Focus adapter to the end of the flue.

# INSTALLATION

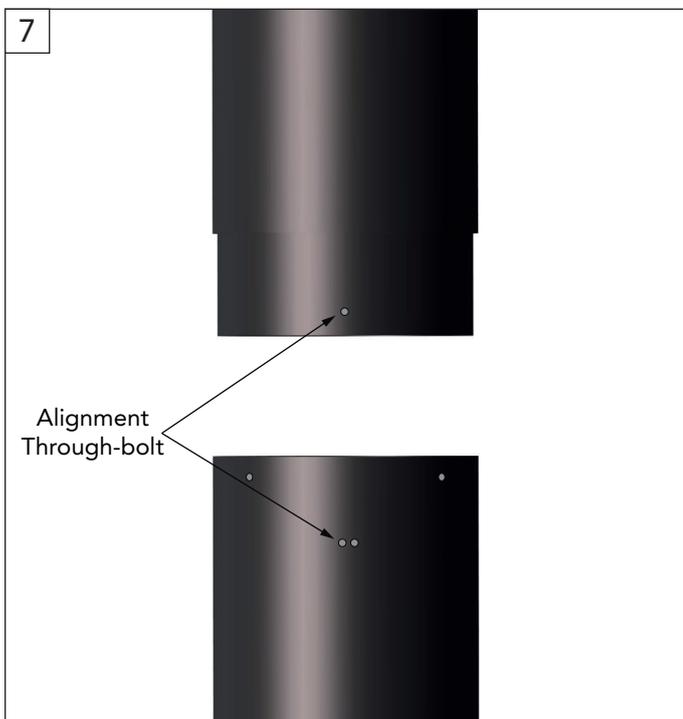


Level the flue.

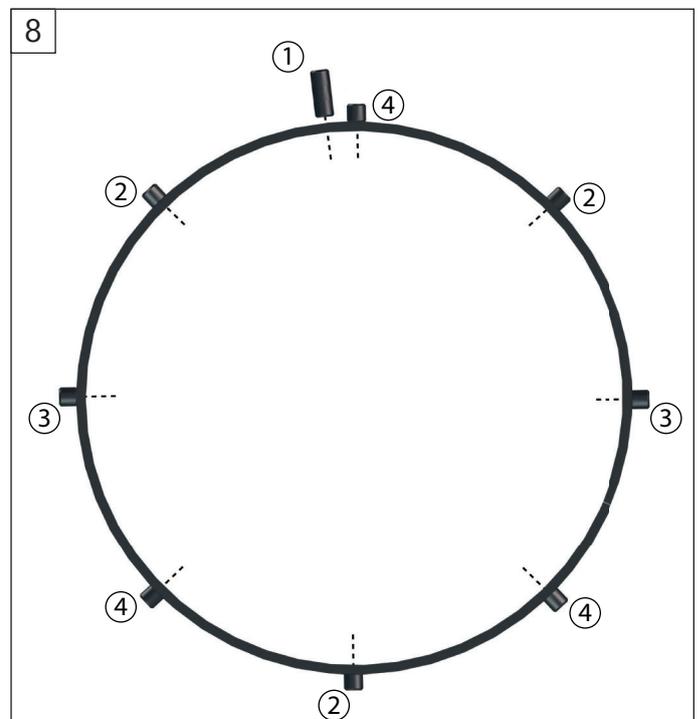


Tighten the pointed screws on the suspension plate.

**Note :** If your ceiling height does not exceed 2700 mm (9'), skip steps 7 and 8.

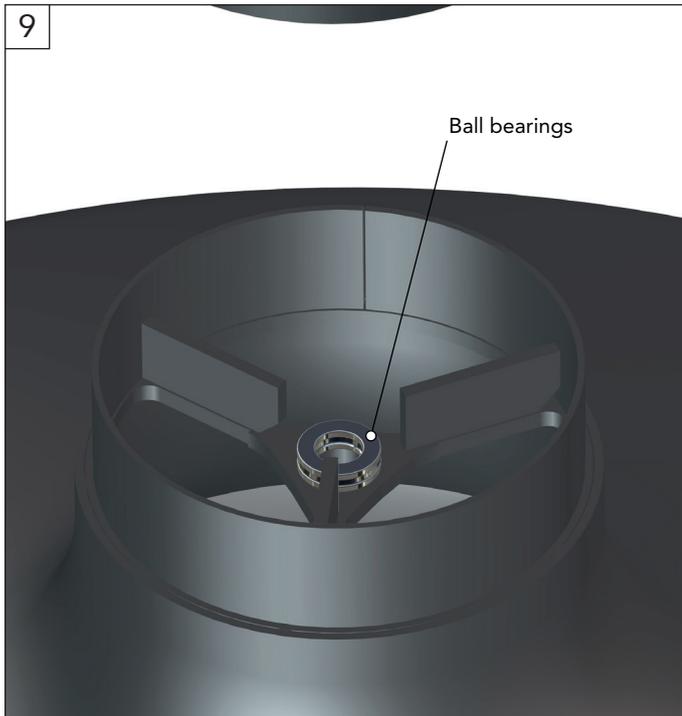


If you have multiple flue sections, connect them to the first section using flat screws and the through-bolt, following the tightening sequence provided.

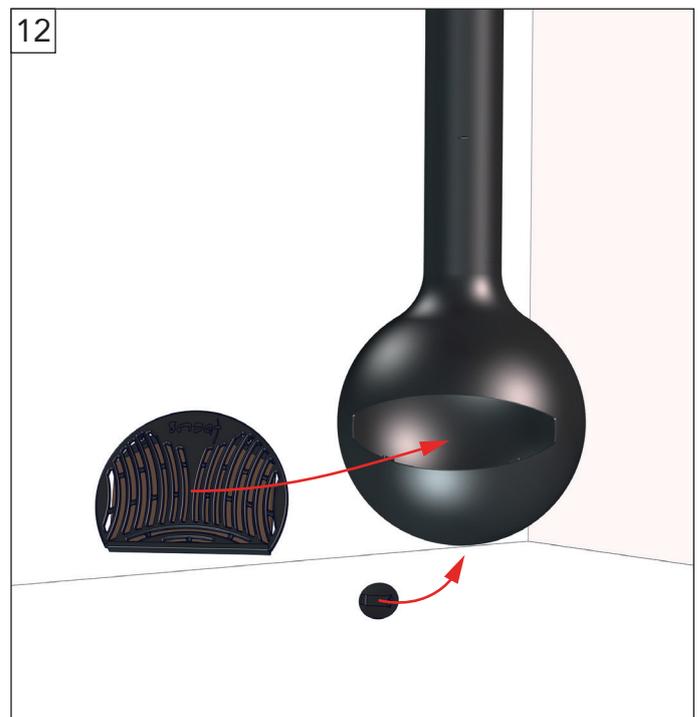
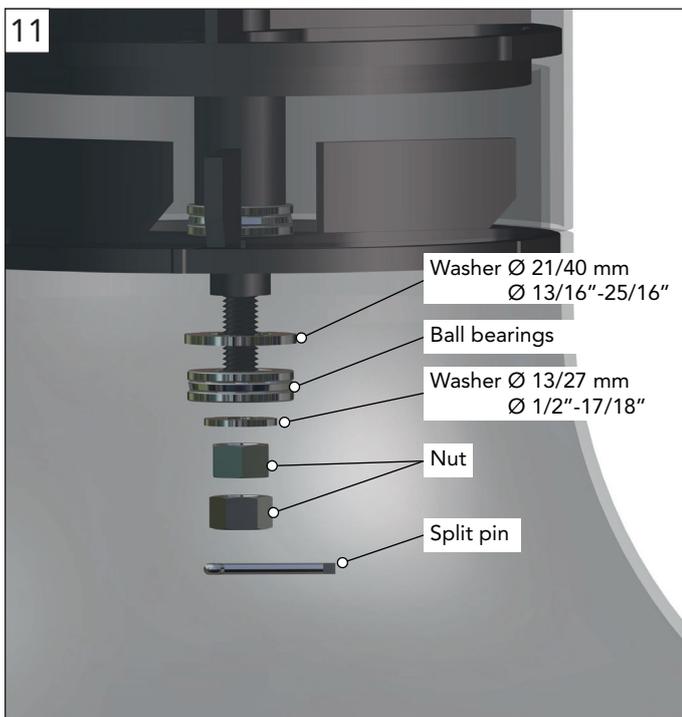
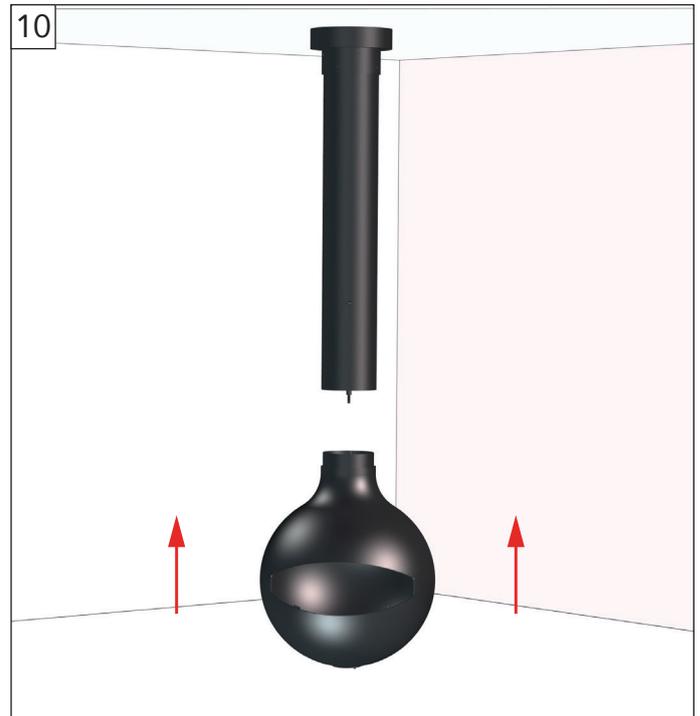


**⚠ WARNING :**  
**THE SCREWS ARE NOT FLUSH.**

# INSTALLATION



Position the fireplace under the flue and install the first bearing.



# USE

## **WARNING :**

**DURING OPERATION, THE FIREPLACE EMITS HEAT. SURFACES CAN BECOME VERY HOT. KEEP CHILDREN, VULNERABLE INDIVIDUALS, CURTAINS, PETS, AND OTHER ITEMS AT A SAFE DISTANCE. ANY CONTACT MAY RESULT IN SEVERE BURNS.**

## ■ **HANDLING FLAMMABLE PRODUCTS**

### **WARNING :**

**DO NOT USE CHEMICALS OR LIQUIDS TO LIGHT YOUR FIRE.**

Do not use fuels such as lamp oil, various types of gasoline, kerosene, lighter fluid, or any other liquids to light or rekindle the fire. Ensure that these liquids are kept away from the fireplace.

## ■ **GRATE**

The cast iron grate is located inside the fireplace and should only be removed during cleaning, once the ashes have completely cooled.

## ■ **ASHES**

Ashes must be placed in a metal container with a tight-fitting lid. The closed container should be placed on a non-combustible surface, away from any flammable materials, until disposal. If the ashes are to be buried or dispersed, they must remain in the closed container until they are completely cooled.

## ■ **FUEL**

### **WARNING :**

**DO NOT BURN TRASH OR FLAMMABLE LIQUIDS SUCH AS GASOLINE, NAPHTHA, OR MOTOR OIL. DO NOT STORE FIREWOOD IN THE FIRE CLEARANCE ZONE AROUND THE FIREPLACE.**

**THIS FIREPLACE IS NOT DESIGNED TO BE USED WITH A DOOR. TO REDUCE THE RISK OF FIRE-RELATED INJURY, DO NOT INSTALL A DOOR ON THIS APPLIANCE.**

Burn only natural, dry, log wood. The wood's moisture content should not exceed 20%. We recommend using dry wood that has been stored for 2 years. Use a covered shelter to store your wood.

# USE

## ■ SPARK GUARD

**⚠ WARNING :**

**GLOVES MUST BE WORN WHEN HANDLING THE SPARK GUARD.**



# USE

## ■ BEFORE YOUR FIRST FIRE

- Clean any dust accumulated during transport or installation using a damp sponge and/or a dry cloth.
- If you notice scratches on painted models, use only the Focus touch-up spray paint provided. If using the spray paint, ventilate the room before lighting your fire to disperse any fumes generated during the paint curing process.
- The first fire should be light. Do not use packing materials or pallet wood as fuel.
- The paint we use is thermoplastic, baked at 250°C (482°F) for 30 minutes. Due to the gradual curing of the components, the fireplace may emit slight smoke during the first fires. Painted surfaces near the fire may temporarily become slightly sticky or tacky when hot.

### **In such cases, we recommend:**

- Not to worry about any residual smoke or odors. This is normal during the first few fires and will quickly subside.
- Avoid touching, rubbing, or attempting to clean the fireplace while it is still hot. To prevent thermal shock, we strongly advise against pouring water on a vigorous fire to extinguish it.

## ■ LIGHTING AND MAINTAINING YOUR FIRE

### **WARNING :**

**DO NOT LIGHT A FIRE WITH THE ASH TRAP OPEN, AS THIS COULD CAUSE OVERHEATING OR A FIRE. DAMAGES CAUSED BY FAILURE TO COMPLY WITH THIS WARNING ARE NOT COVERED BY THE FOCUS WARRANTY.**

**DO NOT OVERLOAD YOUR FOCUS FIREPLACE TO PREVENT OVERHEATING.**

To light the fire, we recommend using a small amount of fire starter along with sufficient kindling (small logs, branches, etc.) to create an initial light fire.

Ensure the damper is fully open. Once the light fire is burning steadily, add larger logs (between 3 and 7 depending on their size), ensuring not to smother the fire.

Leave some gaps between the logs to allow airflow. Adjust the position of the damper to avoid smoke back-flow.

To maintain or sustain your fire, add logs as necessary (refer to the note below).

**NOTE :** 3 kg of wood split into 10 small logs will burn more intensely (and faster) than 3 kg of wood split into 3 larger logs. However, both will ultimately produce the same amount of heat. The size of the logs you add determines the intensity and duration of the fire.

# USE

## ■ PROTECTIVE GLOVES

The use of the Focus protective gloves provided with our models is required when handling the damper, the spark guard, and other components.

## ■ OPERATION AND USE OF THE DAMPER

The use of the cold hand tool or protective gloves is mandatory when handling the damper to avoid burns.

The Bathyscafocus damper has 4 positions :

- When the handle is vertical, the shutter is 0%.
- When the handle is horizontal, the shutter is 75%.
- The two intermediate positions allow adjustments between 0% and 75%.

To change the position of the damper, first pull the handle toward you, then turn it, and push it back to lock it into one of the predefined positions.

### **WARNING :**

**NEVER ADJUST THE DAMPER TO AN INTERMEDIATE POSITION. THE DAMPER POSITION MUST BE ADAPTED TO THE INTENSITY OF THE FIRE. DURING IGNITION, IT SHOULD BE FULLY OPEN. IT SHOULD THEN BE ADJUSTED TO REDUCE THE SMOKE FLOW, ENSURING OPTIMAL THERMAL EFFICIENCY.**

**IF THE FIREPLACE BACK DRAFTS, THIS INDICATES THAT THE DAMPER IS OBSTRUCTING THE CHIMNEY TOO MUCH: REOPEN THE DAMPER AT THE FIRST SIGNS OF BACK DRAFTING.**

# MAINTENANCE

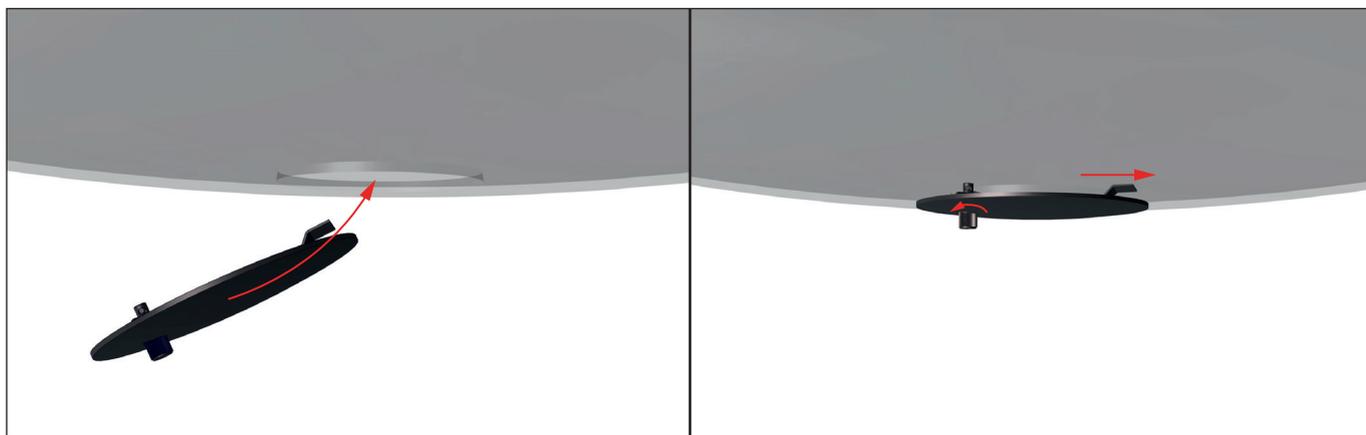
## ■ ASH REMOVAL

### **WARNING :**

**ENSURE THE FIRE IS EXTINGUISHED AND THE FIREPLACE SURFACES ARE COMPLETELY COOL BEFORE PROCEEDING WITH ASH REMOVAL.**

The ash trap is located beneath the fireplace grate. Access it by crouching under the fireplace.

Open the trap by turning the handle. After removing the ashes, ensure the trap is properly closed again.



## ■ CREOSOTE FORMATION

When wood burns slowly, it produces tar and other organic vapors that combine with expelled moisture to form creosote. These creosote vapors condense in the relatively cool chimney of a slow-burning fire. As a result, creosote residues accumulate on the chimney walls. If ignited, this creosote produces an extremely hot fire.

Therefore, the chimney and chimney connector must be **inspected at least once every two months during the heating season** to determine if creosote has accumulated. If a significant layer of creosote (3 mm or more) has built up, it must be removed to reduce the risk of a chimney fire.

## ■ CHIMNEY SWEEPING

The Focus steel flue, stainless steel chimney, and single-wall connector must always be cleaned using a nylon brush. Never use a metal brush! Damage resulting from non-compliance with this instruction is not covered by the Focus warranty.

### **WARNING :**

**CHEMICAL CHIMNEY SWEEPING IS PROHIBITED. ONLY MECHANICAL SWEEPING IS ALLOWED.**

# MAINTENANCE

## ■ SURFACE CLEANING

The exterior surfaces can be cleaned with a soft, dry cloth or a damp sponge (ensuring the fireplace is cool).

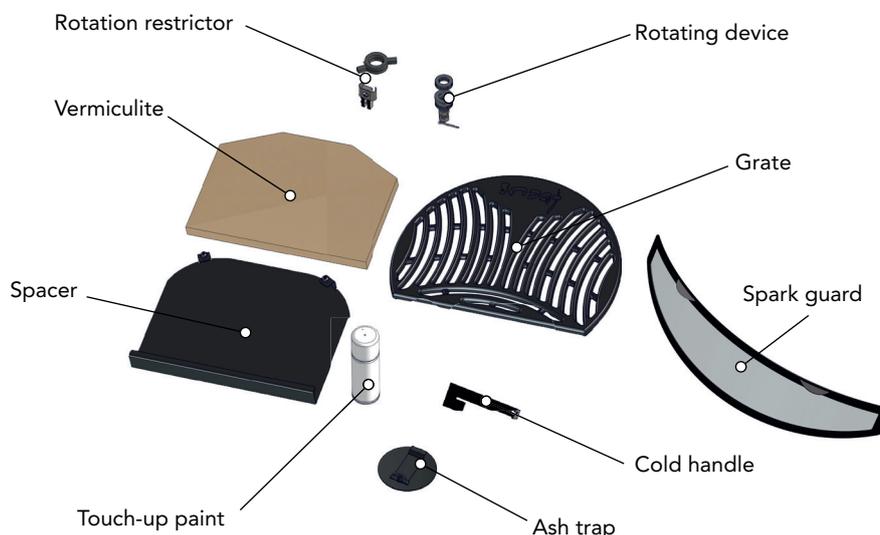


**WARNING :**

**DO NOT SCRAPE THE PAINT.**

## ■ SPARE PARTS

**Note :** In the event of a part replacement, use only parts recommended by Focus. Failure to comply with this note will automatically void the warranty.



To order these parts, contact :



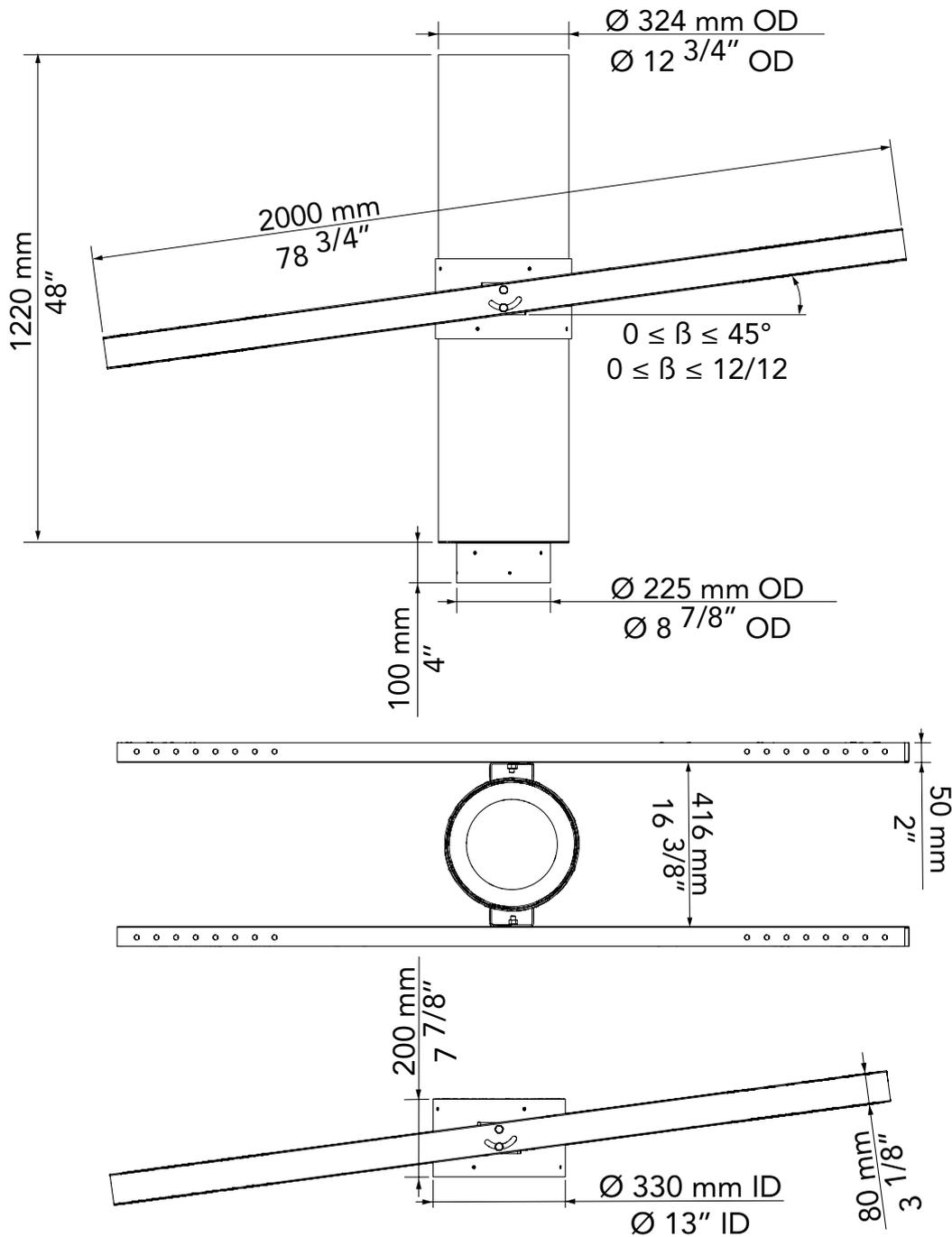
Colombus Design Corp.  
10000 W. Washington Blvd, Floor 6  
Culver City, CA 90032, USA  
T: +1 (781) 333+4443  
info@focus-fireplaces.us

# WARRANTY

All our Focus models are guaranteed against any defects in design, construction, and manufacturing, and are guaranteed to function properly for 5 years from the date of purchase. The warranty for our products is only applicable when our fireplaces have been installed in compliance with all local building regulations and with strict attention to the technical details described in our design plans, installation manuals, maintenance manuals, and user manuals. Our warranties exclude accidental damage, such as those occurring during transport without written notification upon receipt (reservations), damage caused during installation, and damage resulting from improper use. Exclusion of the warranty applies to the coating for appliances located less than 10 km from a saline environment.

# APPENDIX

## ■ ADJUSTABLE SUSPENSION PLATE

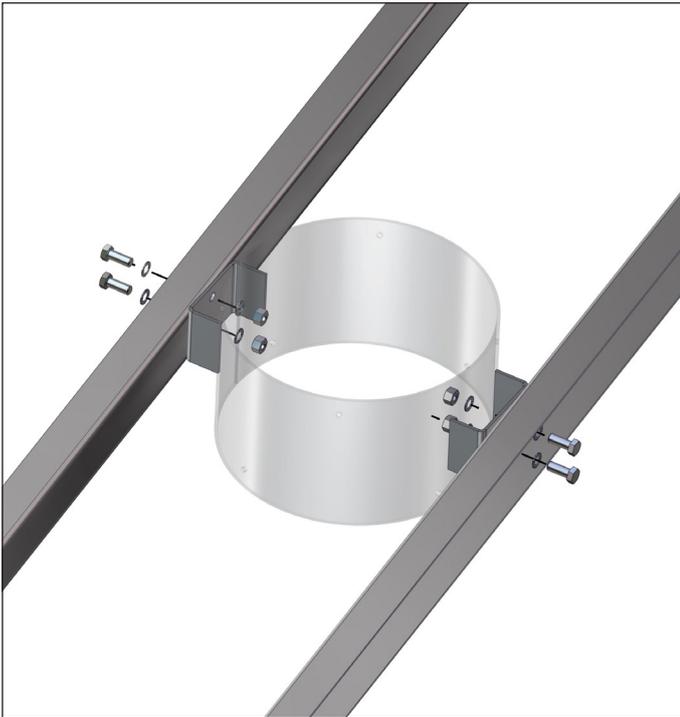


### The components of the suspension plate are :

- 2 mounting bars (U-profile).
- 1 support collar (4 bolts, 4 nuts, 8 washers).
- 1 sleeve.
- 8 pointed screws (M8X10).

**Note :** Maintain a 50 mm (2") air gap around the connection to the flue pipe. The mounting bars can be adjusted on-site if needed. Ensure they are securely fixed to the structure to support the weight of the fireplace and the chimney.

# APPENDIX



## 1. Assemble the Support Collar:

- Position the support collar between the mounting bars.
- Secure the bolts firmly using the provided nuts and washers.

## 2. Mount the Assembly:

- Attach the assembled unit to the ceiling or roof at the designated location.
- Ensure the attachment is firm and secure.

## 3. Insert the Sleeve:

- From below, place the sleeve into the support collar.
- Ensure the sleeve is inserted and positioned securely.

## 4. Adjust the Sleeve Length:

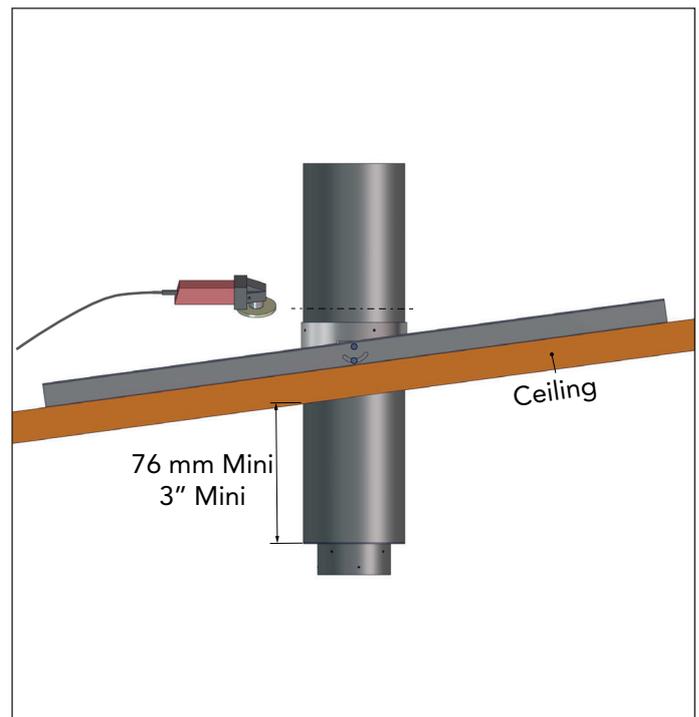
- Adjust the length of the sleeve to the desired size.
- Ensure that the widest part of the sleeve is positioned at a minimum of 76 mm (3") below the ceiling finish.

## 5. Mark and Prepare for Cutting:

- If the sleeve needs to be cut, mark it above the support collar using a pencil.
- Remove the sleeve from the support collar and apply tape around the pencil marks to use as a cutting guide.

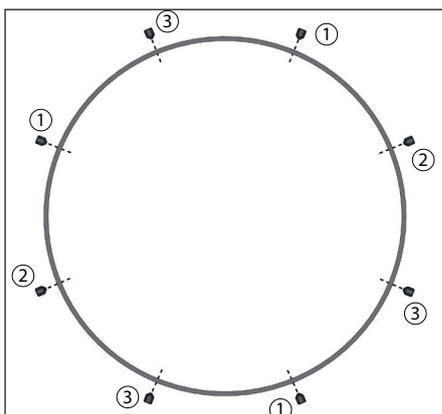
## 6. Cut the Sleeve with an Angle Grinder:

- Use an angle grinder to cut the sleeve along the taped guide.



## 7. Reinstall the Sleeve in the Support Collar:

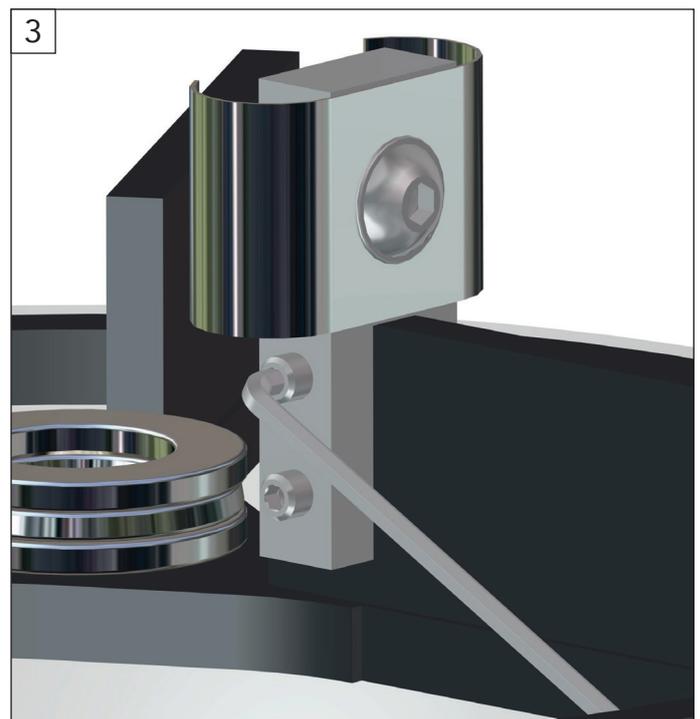
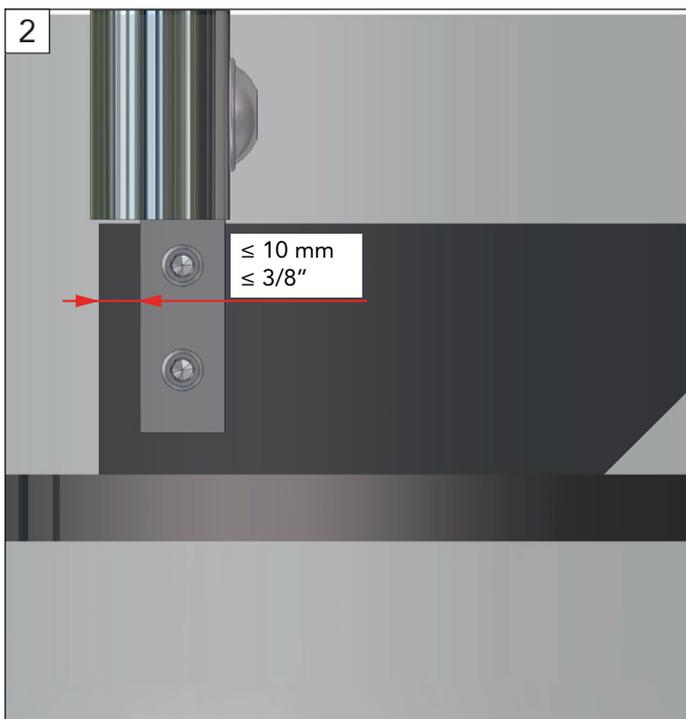
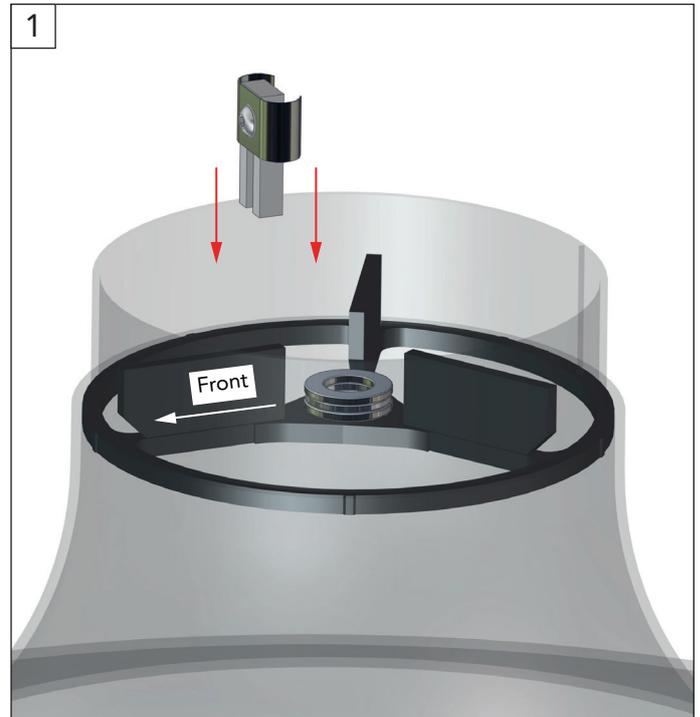
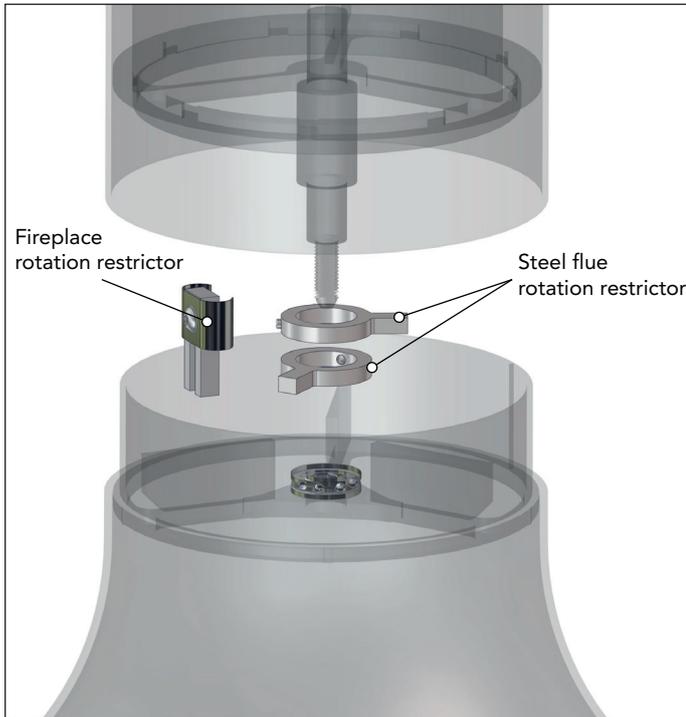
- Place the sleeve back into the support collar.
- Using a level, confirm proper alignment and securely tighten the set screws according to the diagram.



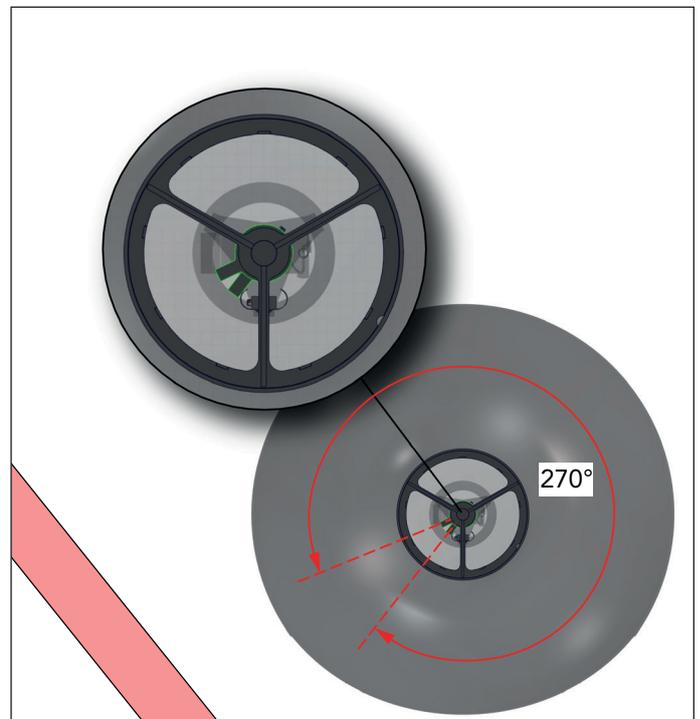
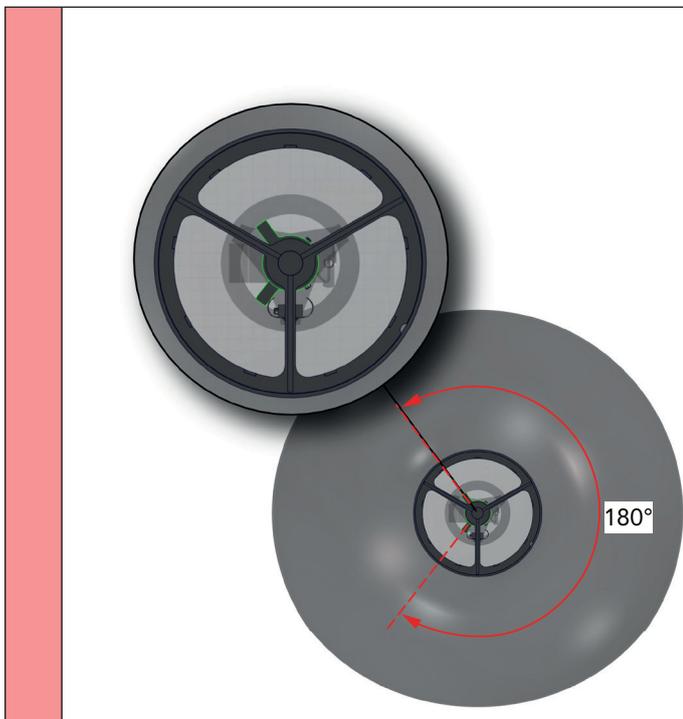
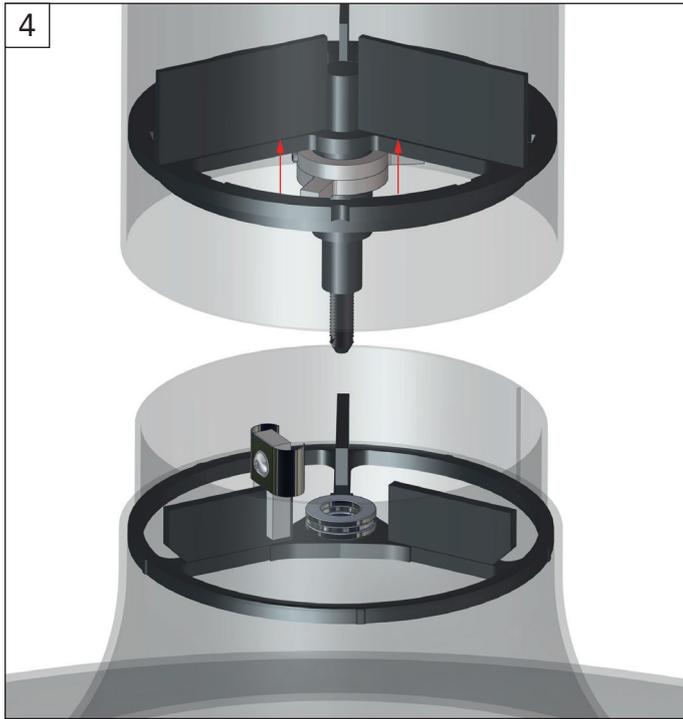
**⚠ WARNING :**  
**THE SCREWS ARE NOT FLUSH.**

# APPENDIX

## ■ ROTATION RESTRICTOR



# APPENDIX











CREATE BEYOND CONVENTION

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