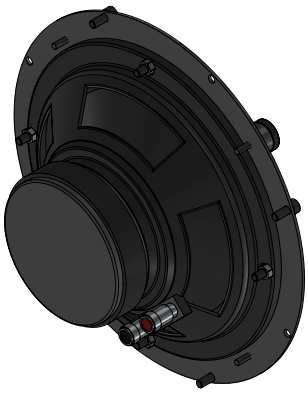
# KR118

TECHNICAL DATA SHEET

Plasterboard

Easy-Fit



5 YEARS WARRANTY

**SCAN OR CLICK TO EXTEND YOUR GARVAN WARRANTY FOR FREE!**
3 years included, with the option to add 2 extra years at no additional cost.

## OVERVIEW DESCRIPTION – UNIQUE DESCRIPTION PRODUCT

In-wall and in-ceiling 6,5” (160 mm), 100 W max, coaxial in-wall and in-ceiling speaker with steel mounting frame and speaker body, designed for optimal performance and durability, even in harsh environments. This product supports recessed installation with various integration solutions, including FiloMuro™, suitable for plasterboard and masonry walls, and EasyFit™, ideal for installation in plasterboard walls or other materials such as wood paneling, metal, and porcelain tiles, with thicknesses ranging from 4 to 40 mm. The 6,5”(160 mm) coaxial loudspeaker has a cataphoresis-treated magnetic assembly for corrosion resistance, a treated cellulose cone, a rubber surround, and a 0.5” (14 mm) neodymium tweeter concentrically aligned with the woofer for a balanced, linear sound throughout the frequency range and excellent intelligibility on vocals. Connection to the amplifier is via spring-loaded terminals that can accommodate cables up to AWG14 gauge. The aesthetic cover is securely attached by powerful neodymium magnets. The grille cover can be customized in various materials, including perforated steel that can be painted white tinted or prepainted according to RAL or NCS codes and even treated with galvanic effects. In addition, fabric covers can be used, which are available in a wide selection of textures and colors as shown in Garvan’s sample books.

## KEY FEATURES

3” (76 mm) Full-Range Driver
Natural and well-balanced audio with clear voice reproduction.

High SPL Output
Reaches up to 111.5 dB SPL @ 1 meter with 80 W max power.

Wide Frequency Response
88 Hz – 20 kHz (-10 dB), ideal for speech and background music.

Sturdy and Compact Build
Steel frame and marine-grade plywood backbox ensure durability.

FiloMuro™ Masonry Integration
Flush-mounted system for masonry walls with a clean, seamless finish.

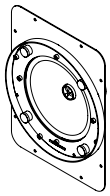
EasyFit™ Installation
Tool-free front mounting, compatible with panels from 4 to 40 mm.

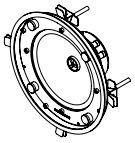
Versatile Aesthetic Options
Customizable grille: perforated steel, galvanic treatments, prints, or acoustic fabric.

Magnetic Grille Attachment
Strong neodymium magnets for fast and secure placement.

Spring Terminal Connections
Simple wiring with support for cables up to AWG14 (2.08 mm²).

3+1+1 Year Warranty
Long-term warranty included, extendable at no extra cost.





| INSTALLATION NAME | Flush-Mount™ Plasterboard | Easy-Fit™ |
|---|---|---|
| | | |
| Installation Type | In Wall / In Ceiling Speaker, free air | In Wall / In Ceiling Speaker, free air |
| Surface Compatibility | Suitable for installation in Plasterboard, wooden panels, modular panel, and similar. | Suitable for installation in Plasterboard, wooden panels, modular panel, and similar. |
| Installation Requirements | Required support thickness: 12,5-25mm | Required support thickness: 4-40mm |
| **SINGLE LOUDSPEAKER PERFORMANCE** | | |
| AES Power Handling | 50 W | 50 W |
| Continuous Power Handling *** | 100 W | 100 W |
| Sensitivity 2,83V / 1m **** | 89,5 dB | 89,5 dB |
| Sensitivity 1W/1m **** | 89,5 dB | 89,5 dB |
| Calculated Maximum SPL @ 1m* | 118,5 dB | 118,5 dB |
| **TRANSDUCER** | | |
| Type | Coaxial | Coaxial |
| Nominal size | WF 160 mm + TW 14mm | WF 160 mm + TW 14mm |
| Nominal Impedance | 8Ω | 8Ω |
| Loudspeaker EQ | Not required, Garvan Preset EQ, Filter and protection available | Not required, Garvan Preset EQ, Filter and protection available |
| Recommended High-Pass Filter Protection | 60 Hz with 48 dB/ Oct. Hight pass Filter | 60 Hz with 48 dB/ Oct. Hight pass Filter |
| Frequency Response (-3 dB) | 80 Hz - 20 kHz ** | 80 Hz - 20 kHz ** |
| Frequency Range (-10 dB) | 60 Hz - 20 kHz | 60 Hz - 20 kHz |
| Nominal Coverage Angle (1 KHz - 4 kHz) | 90° | 90° |
| Nominal Coverage (1 KHz – 10 kHz) | 90° | 90° |
| **PHYSICAL** | | |
| Frame Material | zinc-plated metal | zinc-plated metal |
| Speaker support Material | Lacquered or galvanic metal support | Lacquered or galvanic metal support |
| Cover | Lacquered or galvanic metal Grille/ Brushed stainless steel Grille / Fabric covered frame. | Lacquered or galvanic metal Grille/ Brushed stainless steel Grille / Fabric covered frame. |

| ENVIRONMENTAL FEATURES | | |
|---|---|---|
| Enviropment of Use | Indoor environments | Indoor environments |
| Operating Temperature Range ***** | | |
| environmental protection. | | |
| Connectors | Push connector, mounted on speaker. Accepts 18 AWG (0.8 mm2) to 15 AWG (2,08 mmq ) size wire. | Push connector, mounted on speaker. Accepts 18 AWG (0.8 mm2) to 15 AWG (2,08 mmq ) size wire. |
| Maximum Ceiling Thickness | | |
| Product Dimensions | | |
| Ceiling Cutout | | |
| Net Weight, Frame | | |
| Net Weight, Loudspeaker | | |
| Net Weight, Cover | | |
| **LOGISTICAL DATA** | | |
| Packaging dimensions | | |
| Shipping Weight | | |
| Quantity of products per package | 1 to 2 based on logistics optimization per shipment | 1 to 2 based on logistics optimization per shipment |
| **MAINTENANCE** | | |
| Cleaning Method | microfiber cloth | microfiber cloth |
| General precautions | do not use harsh cleaning products | do not use harsh cleaning products |
| **INCLUDED ACCESSORIES** | | |
| | Jig set | Jig set |
| **OPTIONAL ACCESSORIES** | | |
| Transformer for hight line voltage | TRT052 - 70/100V - 25/37/50W | TRT052 - 70/100V - 25/37/50W |
| Transformer for hight line voltage | TRT054 - 70/100V - 10/15/20W | TRT054 - 70/100V - 10/15/20W |
| Cover installation kit | GAR136 | GAR136 |
| Sound-absorbing material kit for installation | | |

| Cable size/load | 8 ohm | 4 ohm | 2 ohm |
|---|---|---|---|
| 2 sq mm. | 20m / 65ft. | 10m / 32ft | 5m / 16ft |
| 2,5 sq mm. | 30m / 100ft. | 15m / 50ft | 7,5m / 25ft |
| 4 sq mm. | 60m / 200ft. | 30m / 100ft | 15m / 50ft |

**NOTES:**

* Maximum SPL calculated from sensitivity and power handling specifications, using a signal with crest factor 4 (12dB), exclusive of power compression.

** With dedicated preset

*** Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

**** average SPL measured from 200 Hz to 1,5 kHz

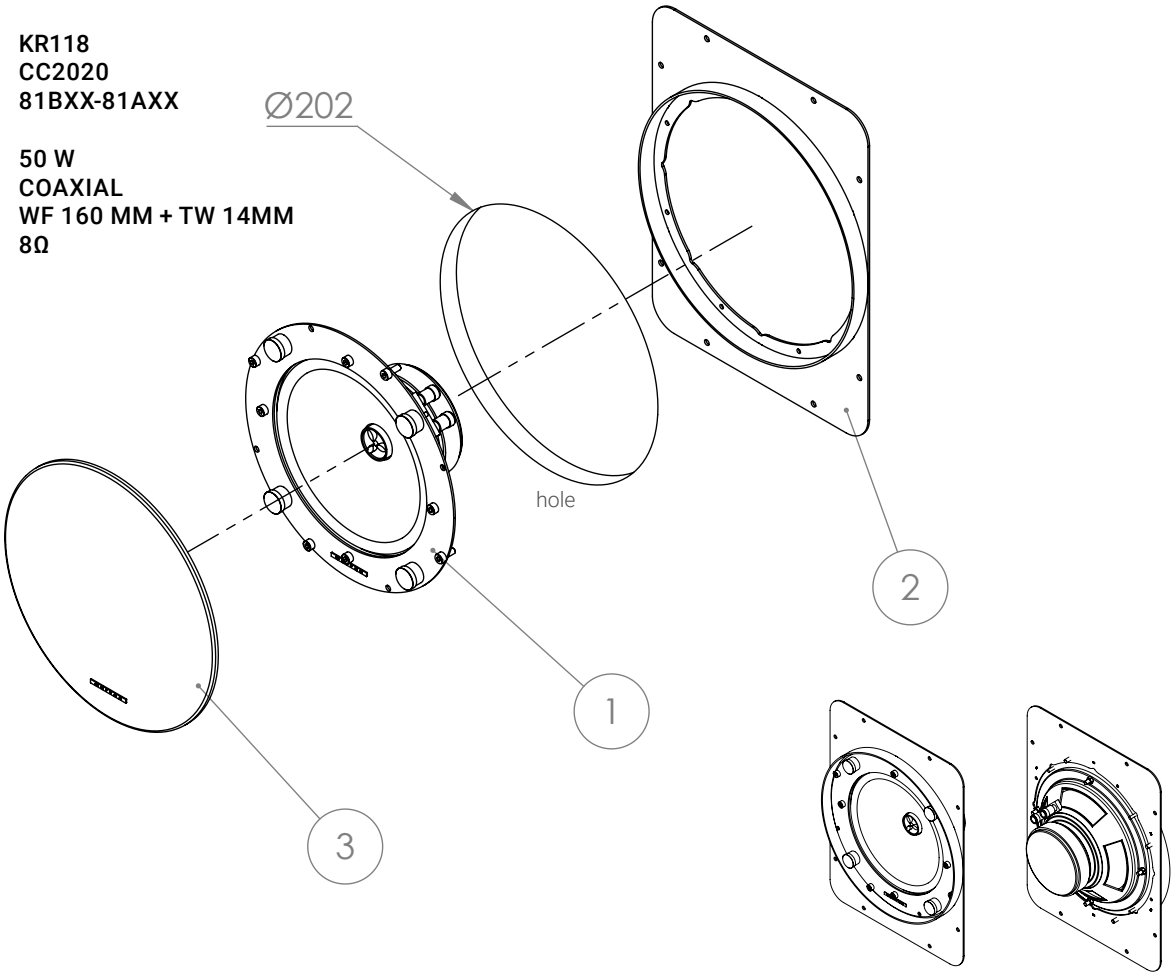
***** With dedicated ignition and maintenance process

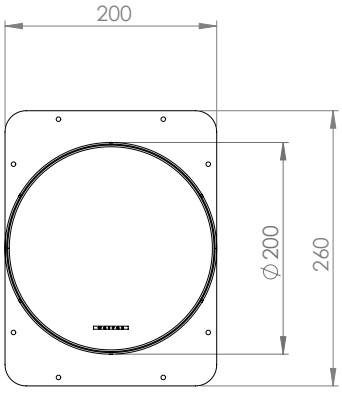
# KR118 / CC2020

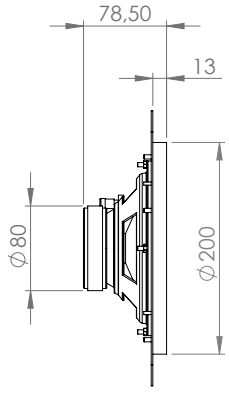
## FLUSH-MOUNT™ PLASTERBOARD PRODUCT SHEET

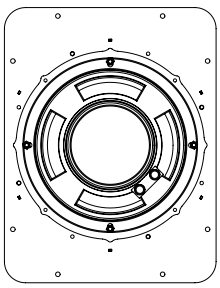
**FLUSH-MOUNT™ CODES**

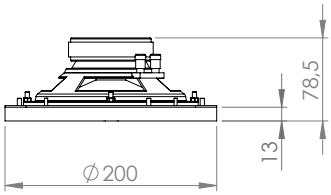
| | |
|---|---|
| 1 Loudspeaker | **KR118** |
| 2 Frame | **CC2020** |
| 3 Front cover | **81BXX-81AXX** |
| AES POWER | **50 W** |
| TYPE | **COAXIAL** |
| NOM. SIZE | **WF 160 MM + TW 14MM** |
| NOM. IMP. | **8Ω** |

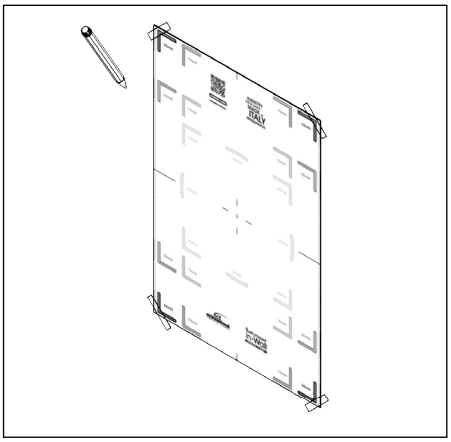


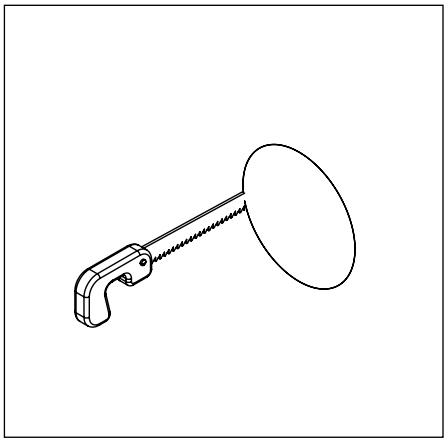



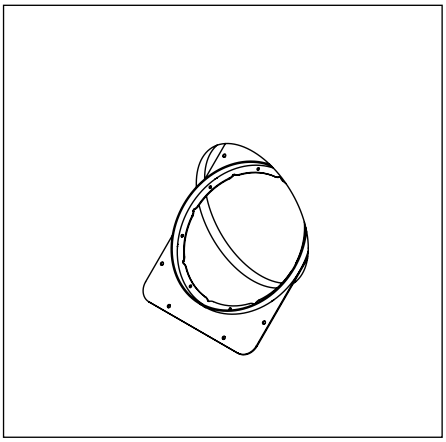




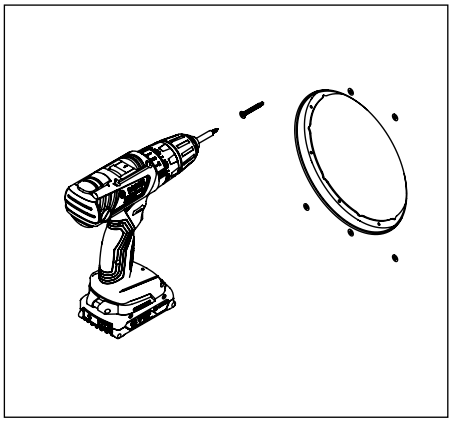
**1 Jig set**



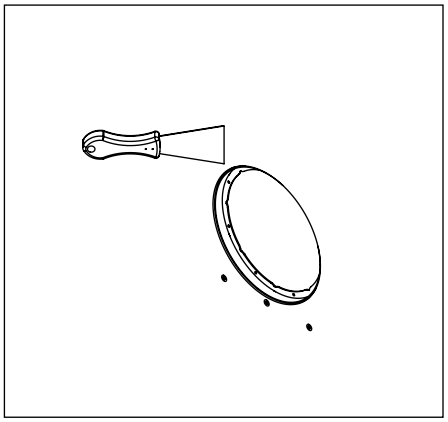
**2**



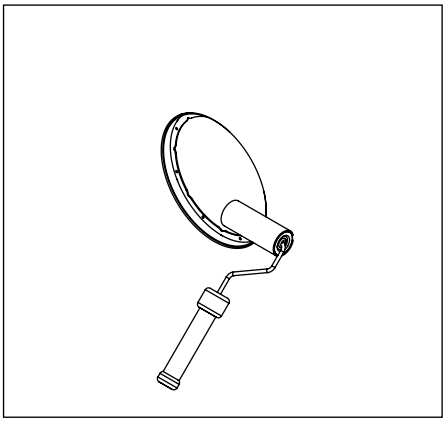
**3**



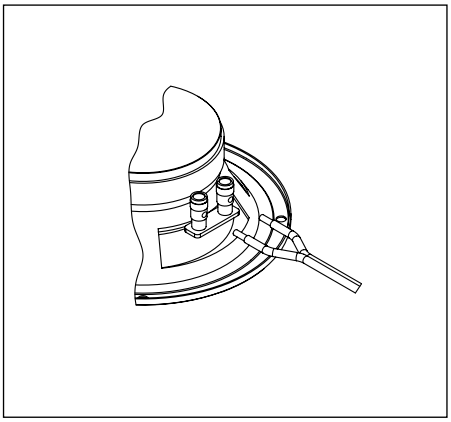
**4**



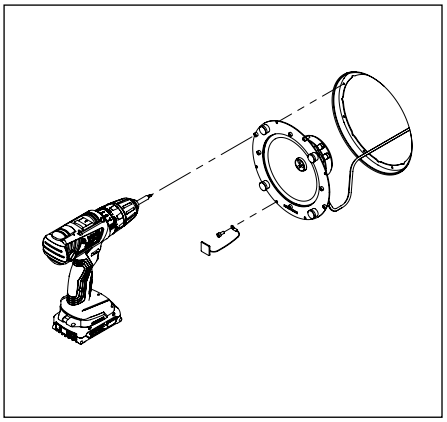
**5**



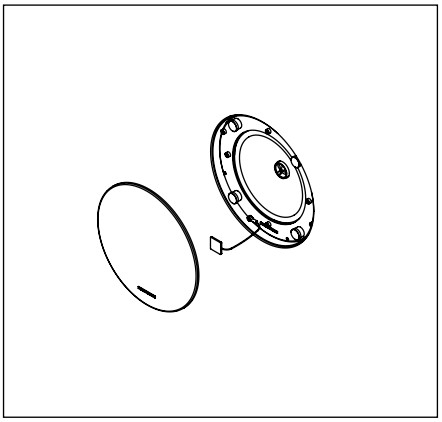
**6**



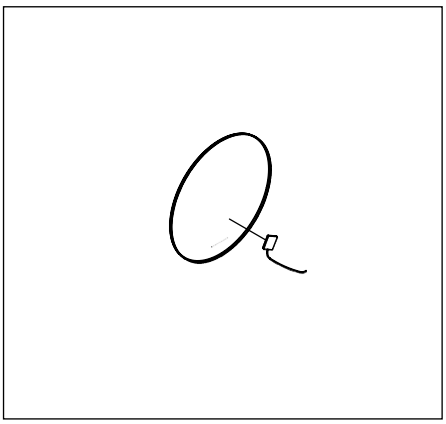
**7**



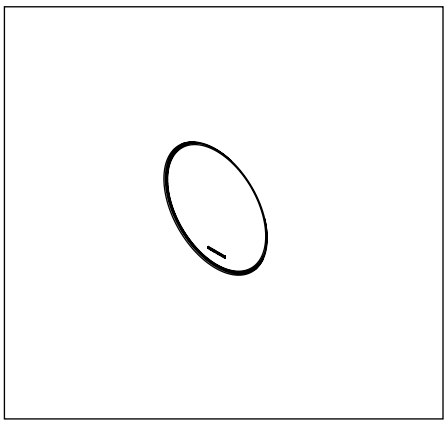
**8**



**9**



**10**



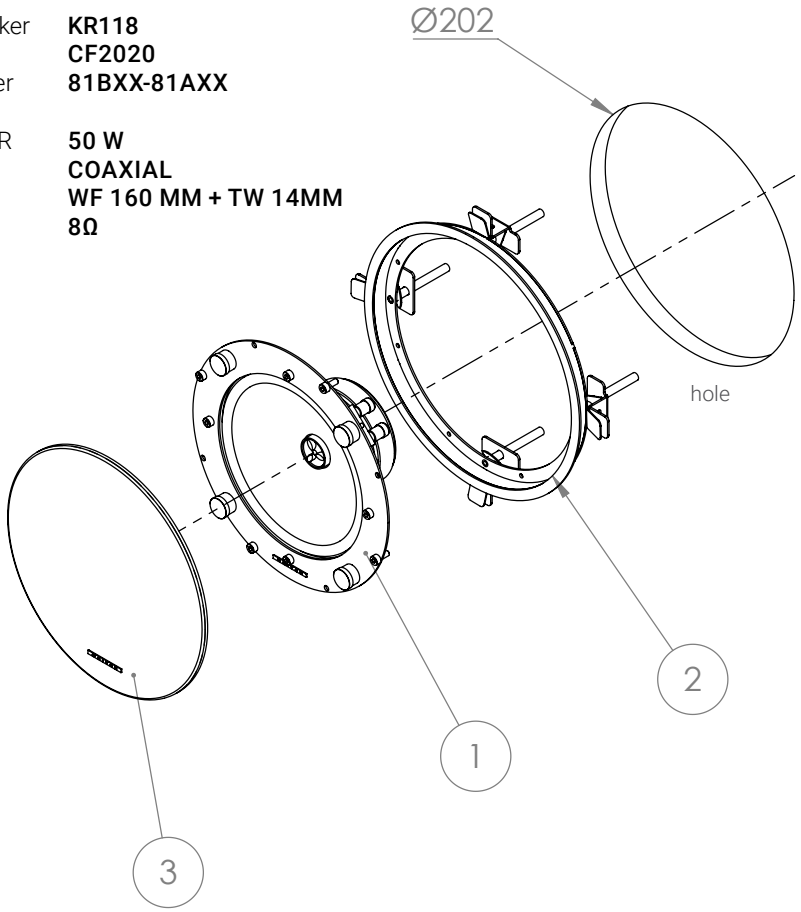
**11**

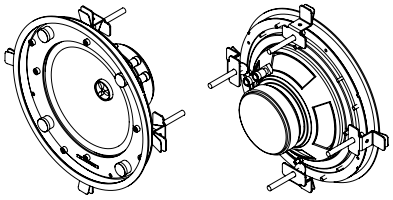
# KR118 / CF2020

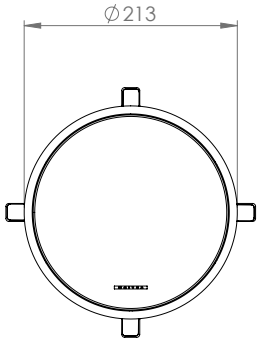
## EASY-FIT™ PRODUCT SHEET

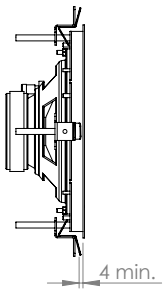
**EASY-FIT™ CODES**

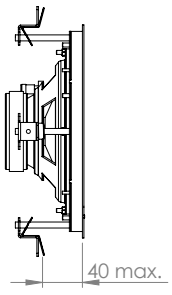
| | |
|---|---|
| 1 Loudspeaker | **KR118** |
| 2 Frame | **CF2020** |
| 3 Front cover | **81BXX-81AXX** |
| AES POWER | **50 W** |
| TYPE | **COAXIAL** |
| NOM. SIZE | **WF 160 MM + TW 14MM** |
| NOM. IMP. | **8Ω** |

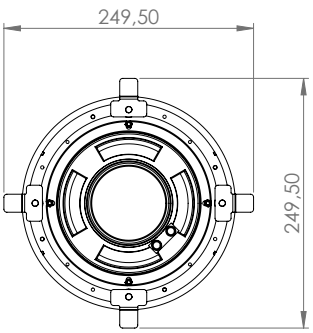


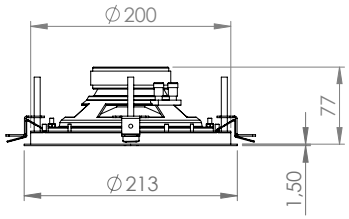



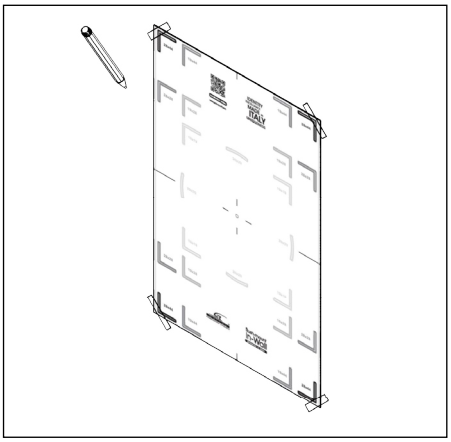


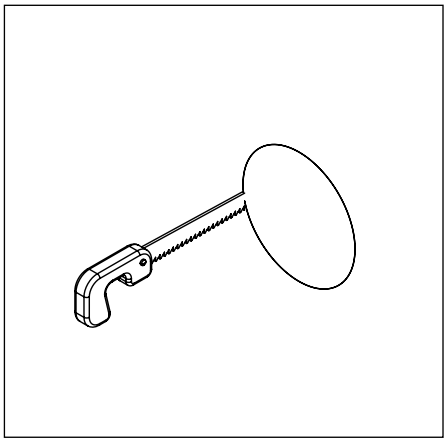



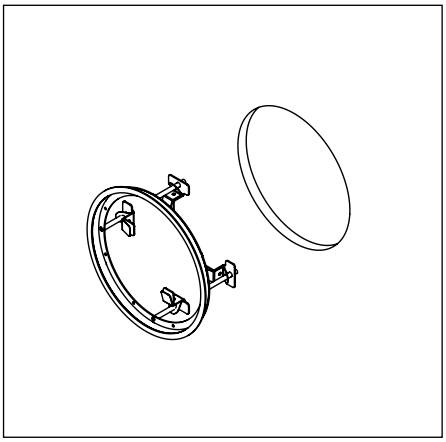





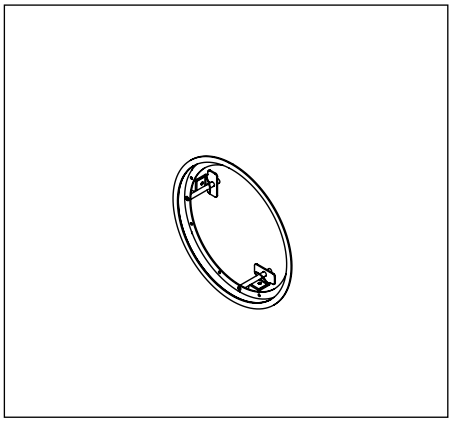
**1 Jig set**



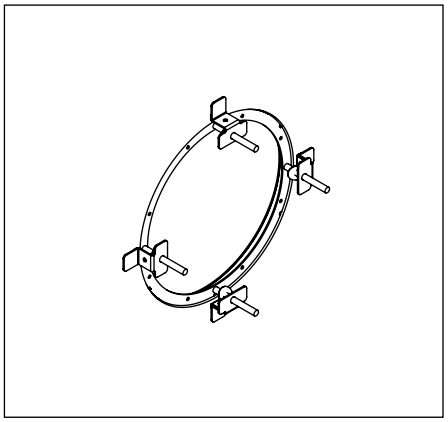
**2**



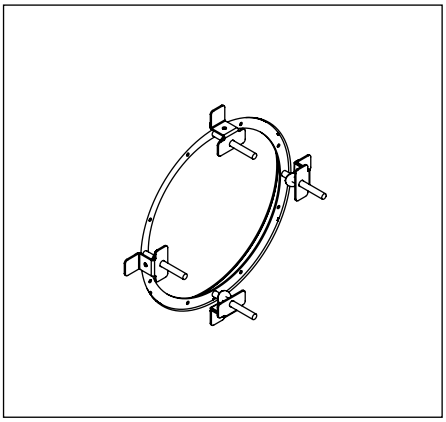
**3**



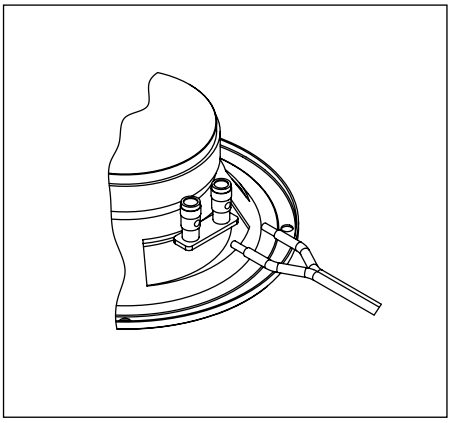
**4**



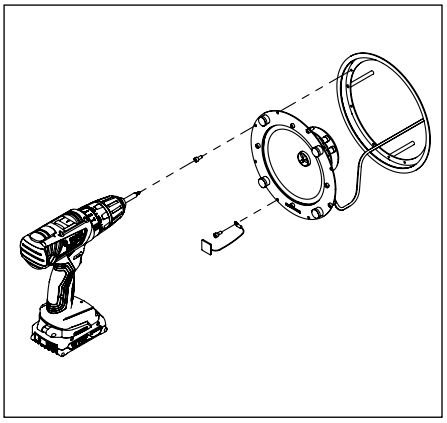
**5**



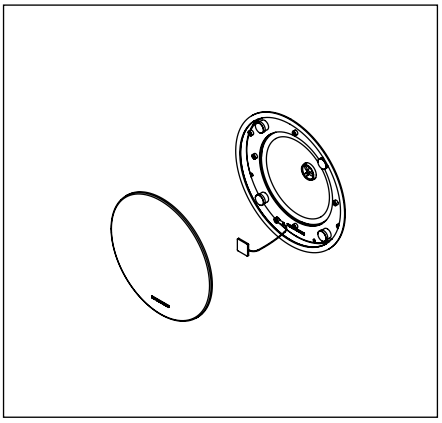
**6**



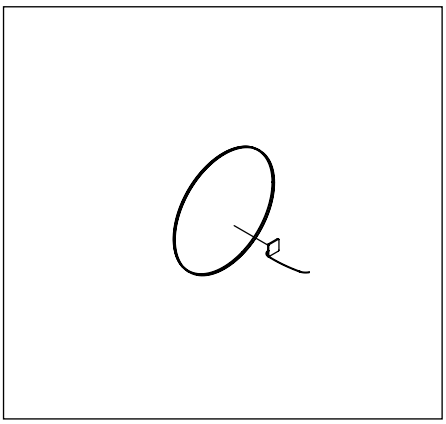
**7**



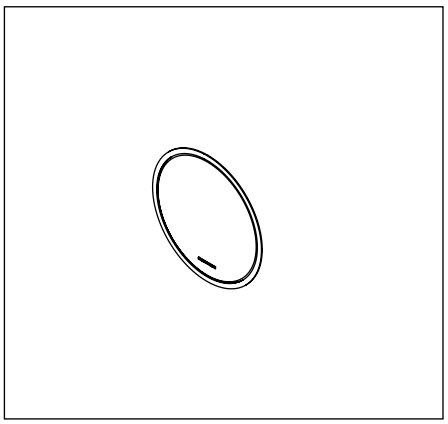
**8**



**9**



**10**



**11**