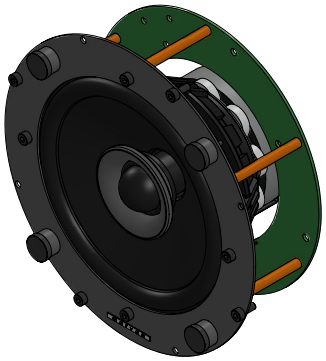
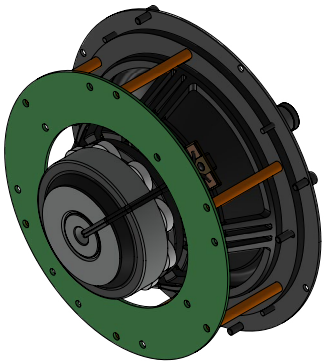
KR120

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), 240 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 different 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 between 4 and 40 mm. The 6.5“ (160 mm) coaxial loudspeaker features a neodymium pure magnet assembly with cataphoresis-treated plates for corrosion resistance, a treated cellulose cone, a rubber surround, and a 1” (25 mm) neodymium tweeter coaxially aligned with the woofer for full-bodied, balanced, linear sound throughout the frequency range and excellent intelligibility of vocals. Connection to the amplifier is via spring-loaded terminals that can accommodate cables up to AWG11 gauge. The aesthetic cover is securely fastened by powerful neodymium magnets. The grille cover can be customized in various materials, including perforated steel that can be painted white 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 Speaker
Designed for natural, balanced sound with high vocal clarity.

Strong SPL Output
Up to 111.5 dB SPL @ 1 meter with 80 W max power.

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

Minimal Frame Design (30 mm)
Narrow visible border for sleek architectural integration.

Marine-Grade Durability
Steel mounting frame and phenolic marine plywood backbox for longevity in harsh environments.

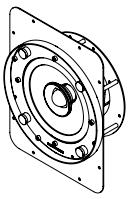
FiloMuro™ Flush Mount for Masonry
Enables seamless installation in plastered brick or concrete walls.

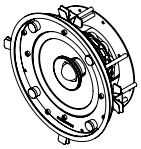
EasyFit™ Tool-Free Mounting
Supports panel thicknesses from 4 to 40 mm (drywall, wood, metal, porcelain, etc.).

Aesthetic Grille Customization
Options include perforated steel (paintable), galvanic finishes, prints, and colored acoustic fabrics.

Magnetic Grille Attachment
Powerful neodymium magnets ensure secure and invisible cover fastening.

Extended Warranty Included
3+1+1 years of coverage with free extension upon registration.





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	120 W	120 W
Continuous Power Handling ***	240 W	240 W
Sensitivity 2,83V / 1m ****	88 dB	88 dB
Sensitivity 1W/1m ****	88 dB	88 dB
Calculated Maximum SPL @ 1m*	121 dB	121 dB
TRANSDUCER		
Type	Coaxial	Coaxial
Nominal size	WF 160 mm + TW 25mm	WF 160 mm + TW 25mm
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	50 Hz with 48 dB/ Oct. Hight pass Filter	50 Hz with 48 dB/ Oct. Hight pass Filter
Frequency Response (-3 dB)	61 Hz - 20 kHz **	61 Hz - 20 kHz **
Frequency Range (-10 dB)	54 Hz - 20 kHz **	54 Hz - 20 kHz **
Nominal Coverage Angle (1 KHz - 4 kHz)	> 120°	> 120°
Nominal Coverage (1 KHz – 10 kHz)	100°	100°
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 crossover and on speaker coax. Accepts 18 AWG (0.8 mm2) to 11 AWG (4,17 mm2) size wire.	Push connector, mounted on crossover and on speaker coax. Accepts 18 AWG (0.8 mm2) to 11 AWG (4,17 mm2) 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**

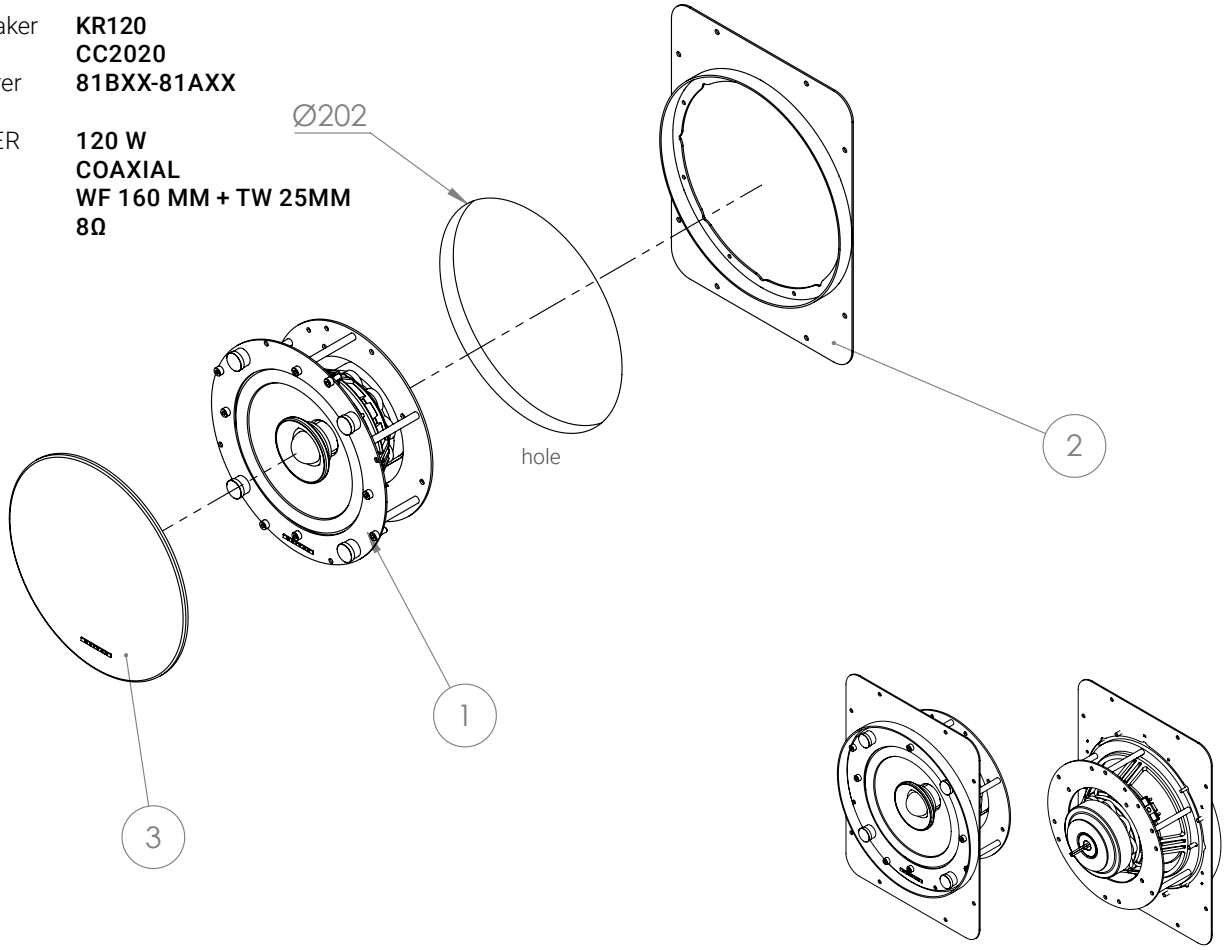
******* With dedicated ignition and maintenance process**

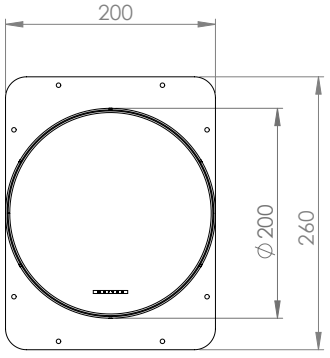
KR120 / CC2020

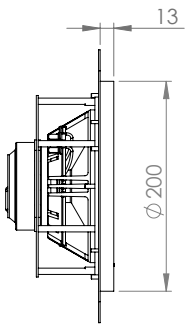
FLUSH-MOUNT™ PLASTERBOARD PRODUCT SHEET

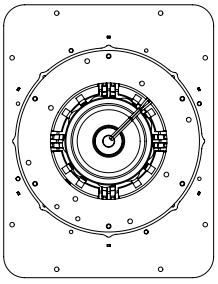
FLUSH-MOUNT™ CODES

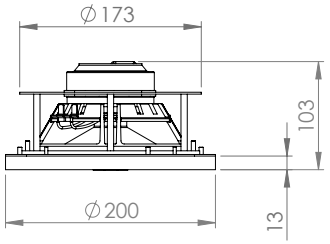
1 Loudspeaker	**KR120**
2 Frame	**CC2020**
3 Front cover	**81BXX-81AXX**
AES POWER	**120 W**
TYPE	**COAXIAL**
NOM. SIZE	**WF 160 MM + TW 25MM**
NOM. IMP.	**8Ω**

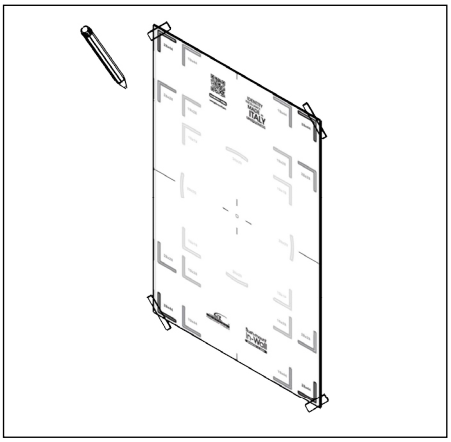












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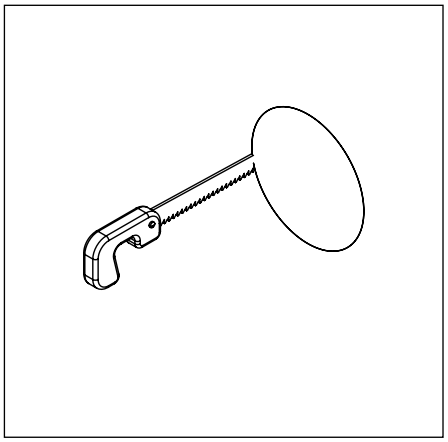

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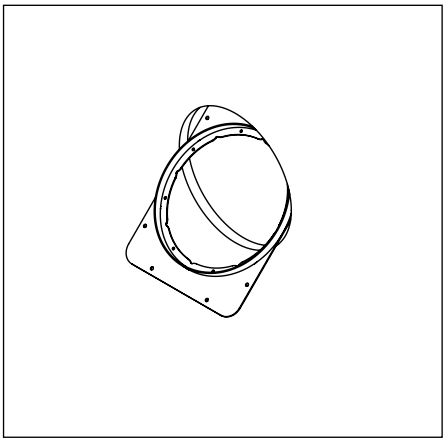

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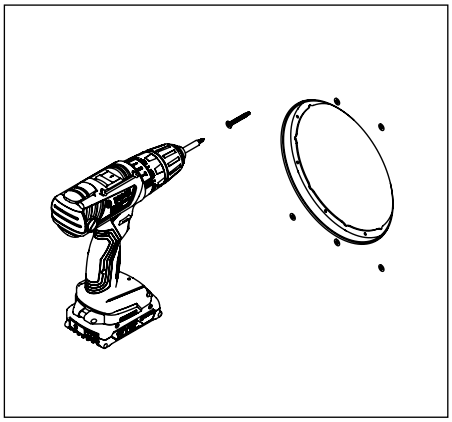

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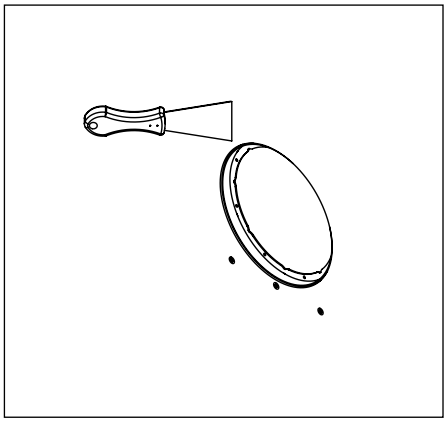

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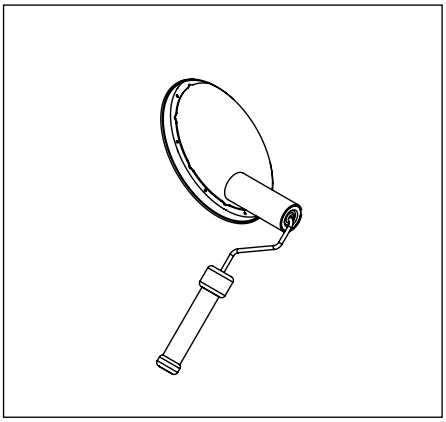

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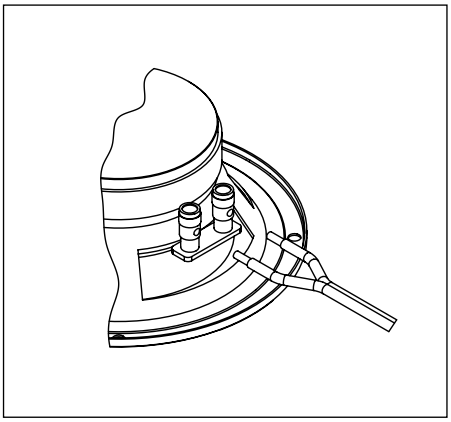

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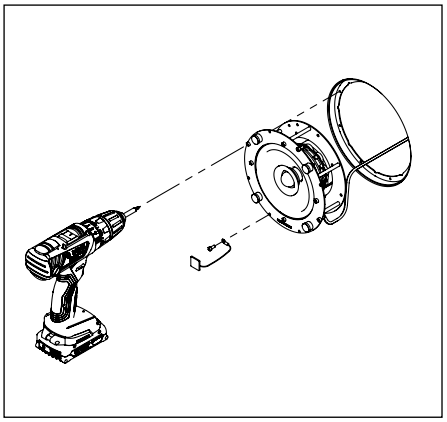

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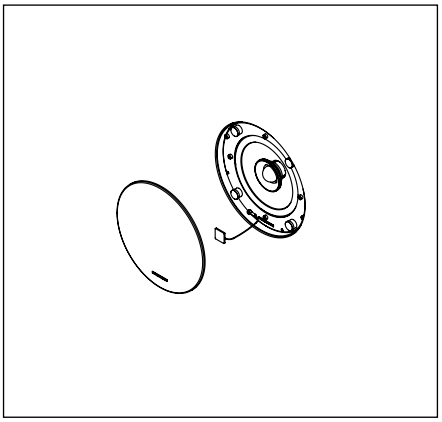

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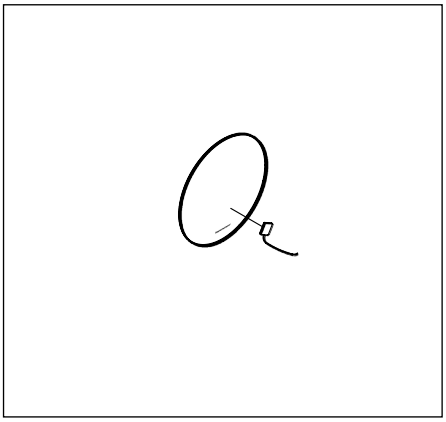

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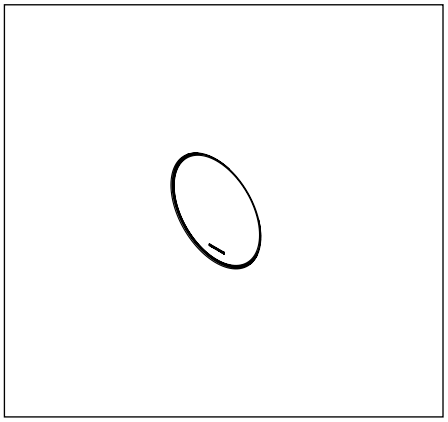

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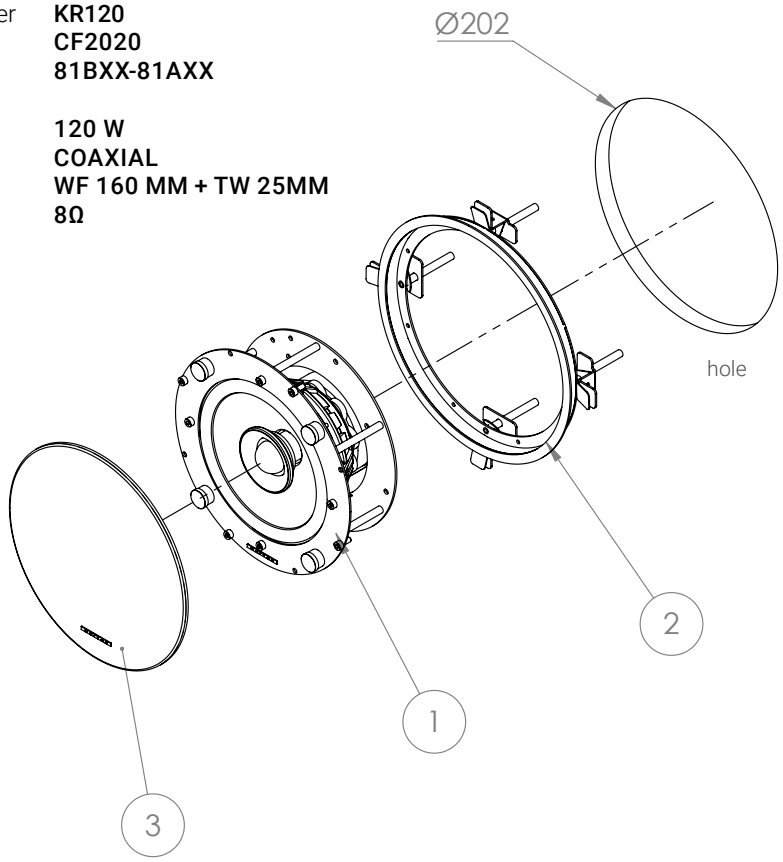
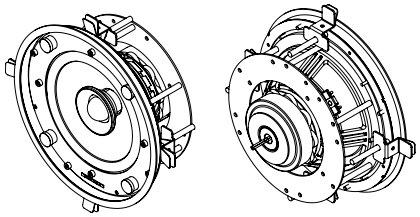
KR120 / CF2020

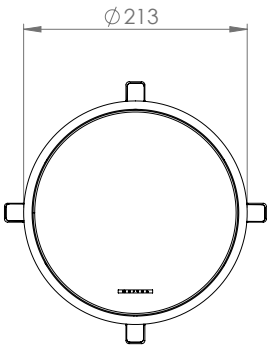
EASY-FIT™ PRODUCT SHEET

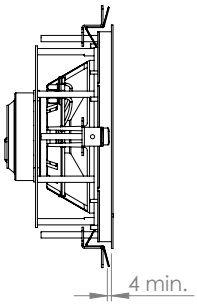
EASY-FIT™ CODES

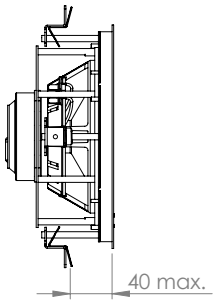
1 Loudspeaker	**KR120**
2 Frame	**CF2020**
3 Front cover	**81BXX-81AXX**
AES POWER	**120 W**
TYPE	**COAXIAL**
NOM. SIZE	**WF 160 MM + TW 25MM**
NOM. IMP.	**8Ω**

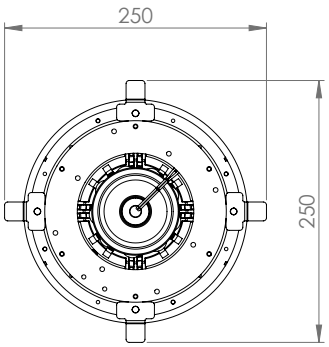


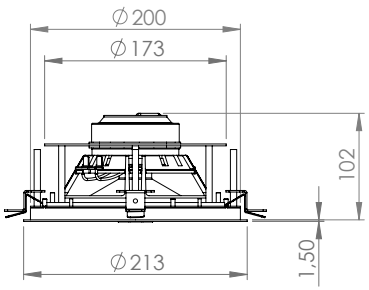


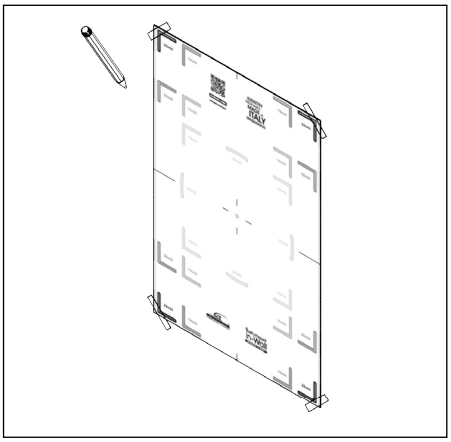












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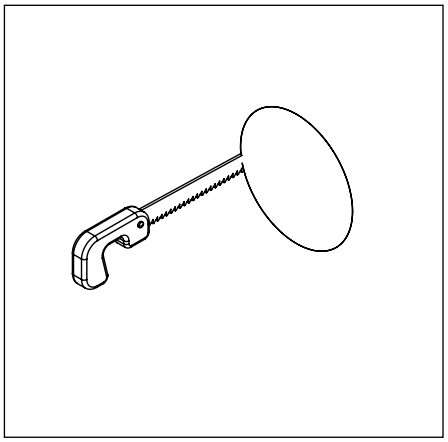

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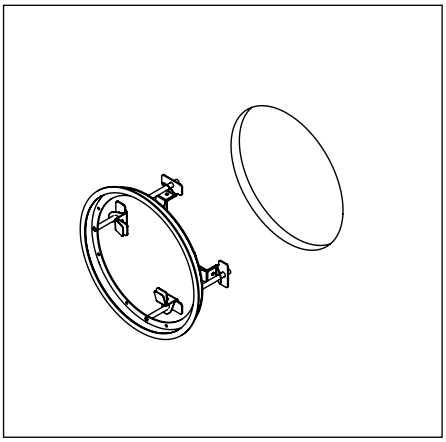

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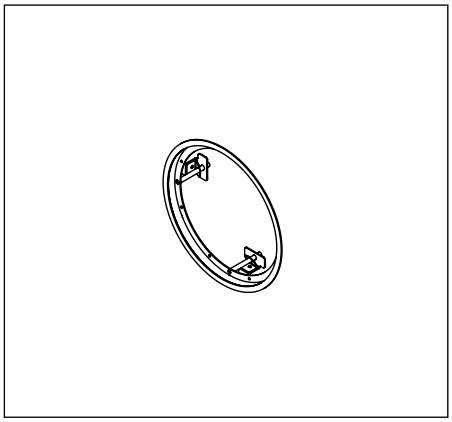

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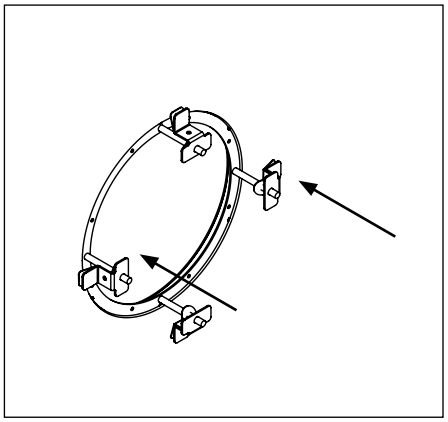

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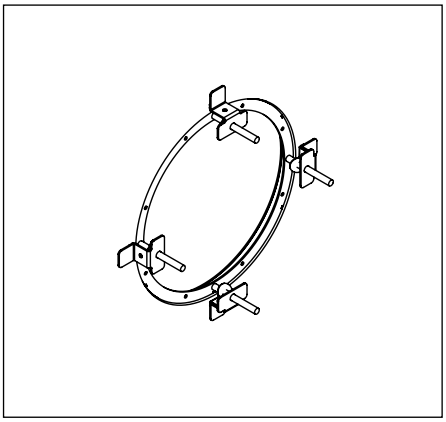

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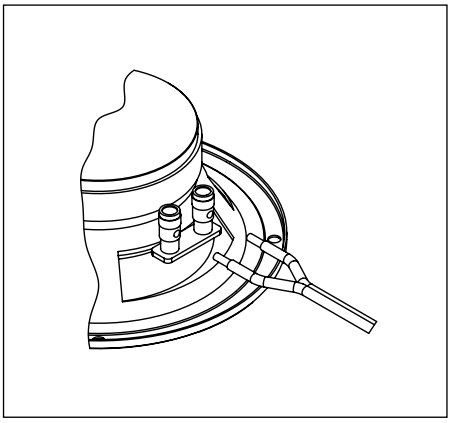

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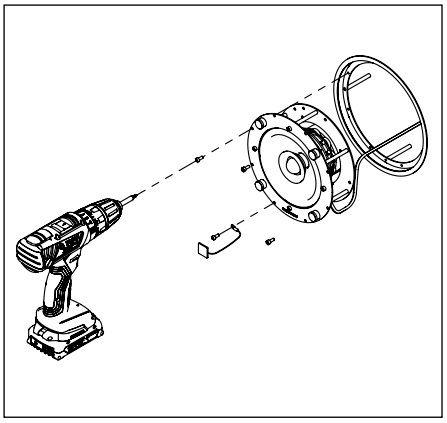

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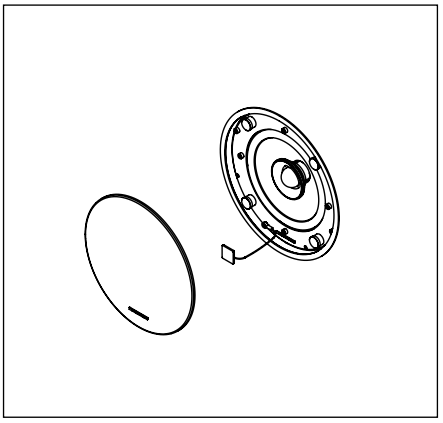

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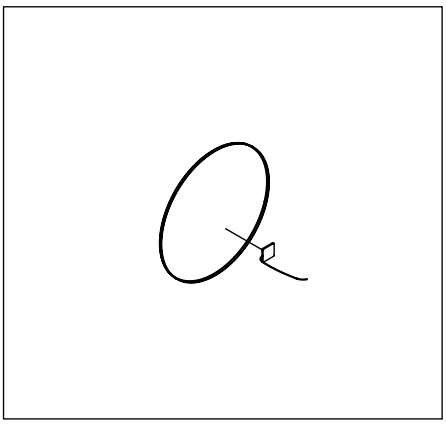

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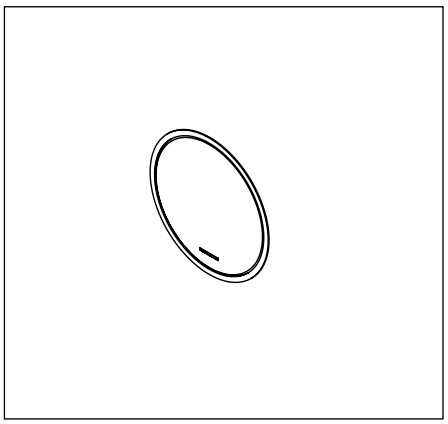

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