

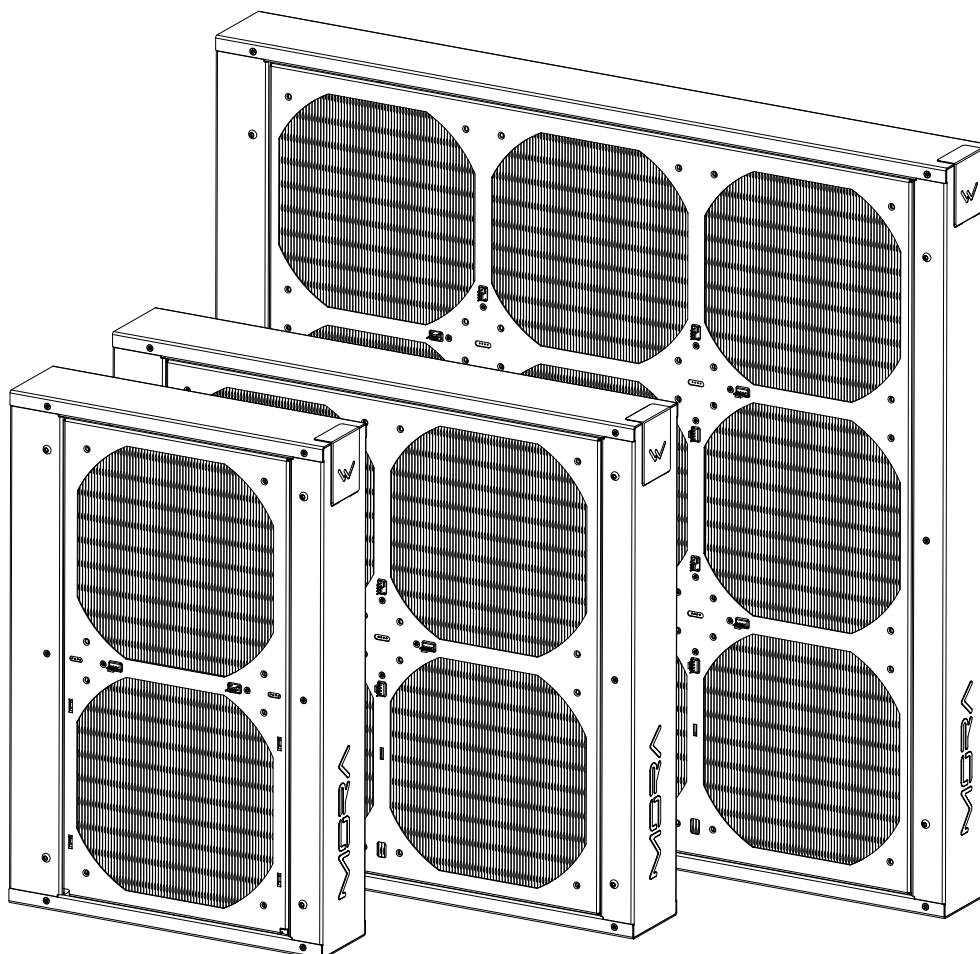


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INHALT

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GENERAL INFORMATION

Please read the instructions carefully before starting the assembly. Failure to follow the instructions or an incorrect assembly can cause permanent damage to your hardware. The assembly is done at your own risk.

Despite modern production methods, contamination may remain in the radiator due to production reasons. We therefore recommend rinsing it with clear water prior to first use.

We recommend demineralized or deionized water (distilled water) with a suitable corrosion inhibitor as coolant. We recommend the use of Heatkiller Fluid for ready-mixed coolant fluids. We also made good experiences with Innovatek Protect or Aquacomputer Double Protect.

The screws used may not penetrate deeper than 8mm into the heat exchanger. The use of longer screws might damage the pipes.

ALLGEMEINE HINWEISE

Bitte die Montageanleitung vor Beginn der Montage sorgfältig lesen. Ein Nichtbeachten der Anleitung oder eine fehlerhafte Montage kann Hardware dauerhaft beschädigen. Die Montage erfolgt auf eigene Gefahr.

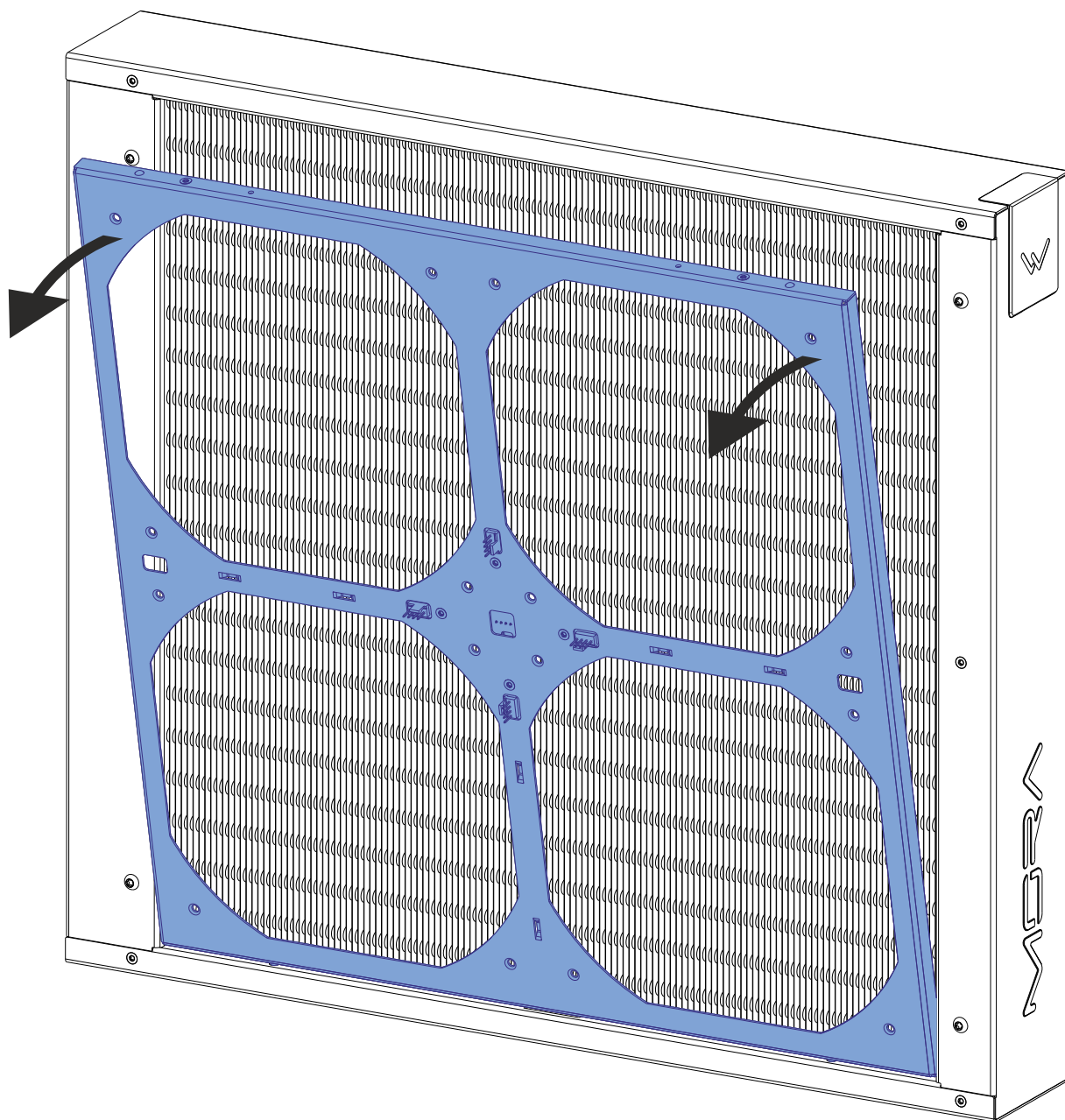
Trotz moderner Fertigungsmethoden kann es vorkommen, dass Unreinheiten produktionsbedingt im Radiator verbleiben. Daher empfehlen wir diesen vor der Erstverwendung mit klarem Wasser durchzuspülen.

Wir empfehlen als Kühlmedium demineralisiertes bzw. entionisiertes Wasser (destilliertes Wasser) mit einem geeigneten Korrosionsschutz zu verwenden. Bei den bereits fertig gemischten Kühlflüssigkeiten empfehlen wir die Verwendung von Heatkiller Fluid. Mit Innovatek Protect und AquaComputer Double Protect Ultra haben wir ebenfalls gute Erfahrungen gemacht.

Achtung: Alle am Radiator verwendeten Schrauben dürfen nicht tiefer als 8mm in das Gehäuse hineinragen. Sollten längere Schrauben verwendet werden kann es zu Beschädigungen der Rohre kommen.

1. FAN FRAME

1.1 TOOL FREE MOUNT



NO TOOLS REQUIRED

The fan frame can be mounted and unmounted toolless for maintenance.

1.2 QUICK LOCK FEATURE (MO-RA IV 600 ONLY)

Required tools



Torx TX20

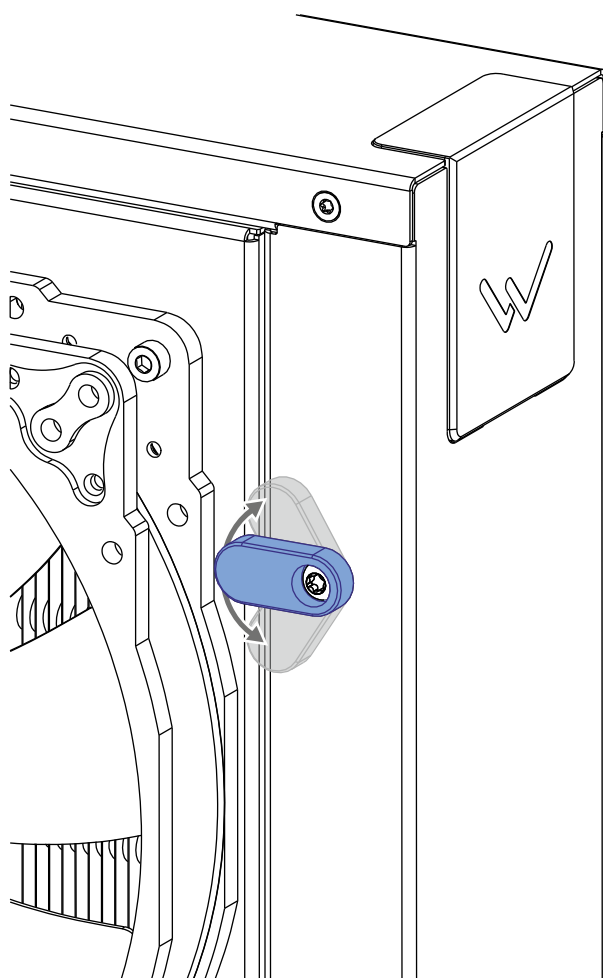
Mounting material

2x

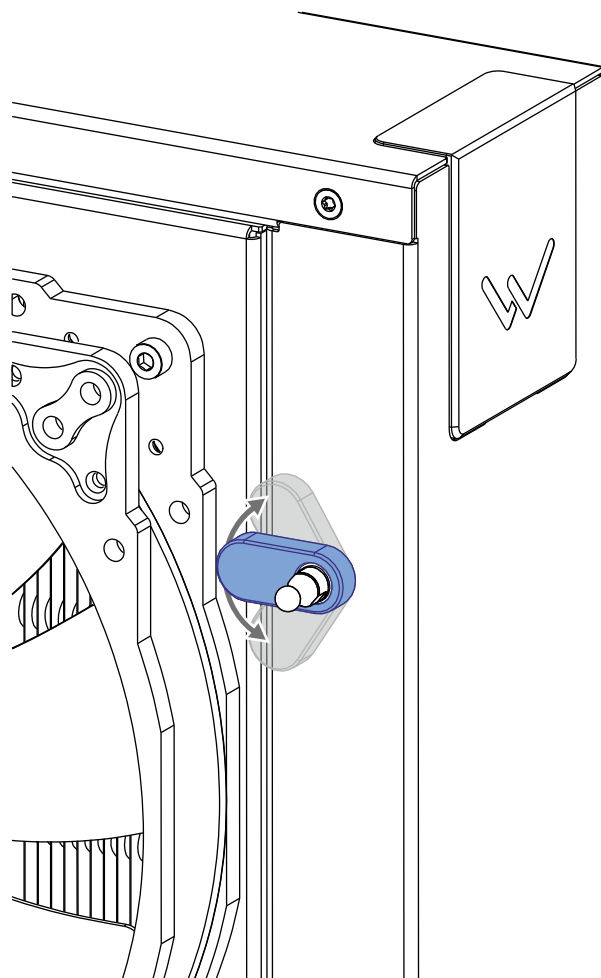


M4x10

2x



without fan grill



with fan grill

1.3 OPTIONAL - PERMANENT LOCK FEATURE

Required tools



Allen Key
2mm

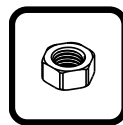
Mounting material

2x



M2,5x6

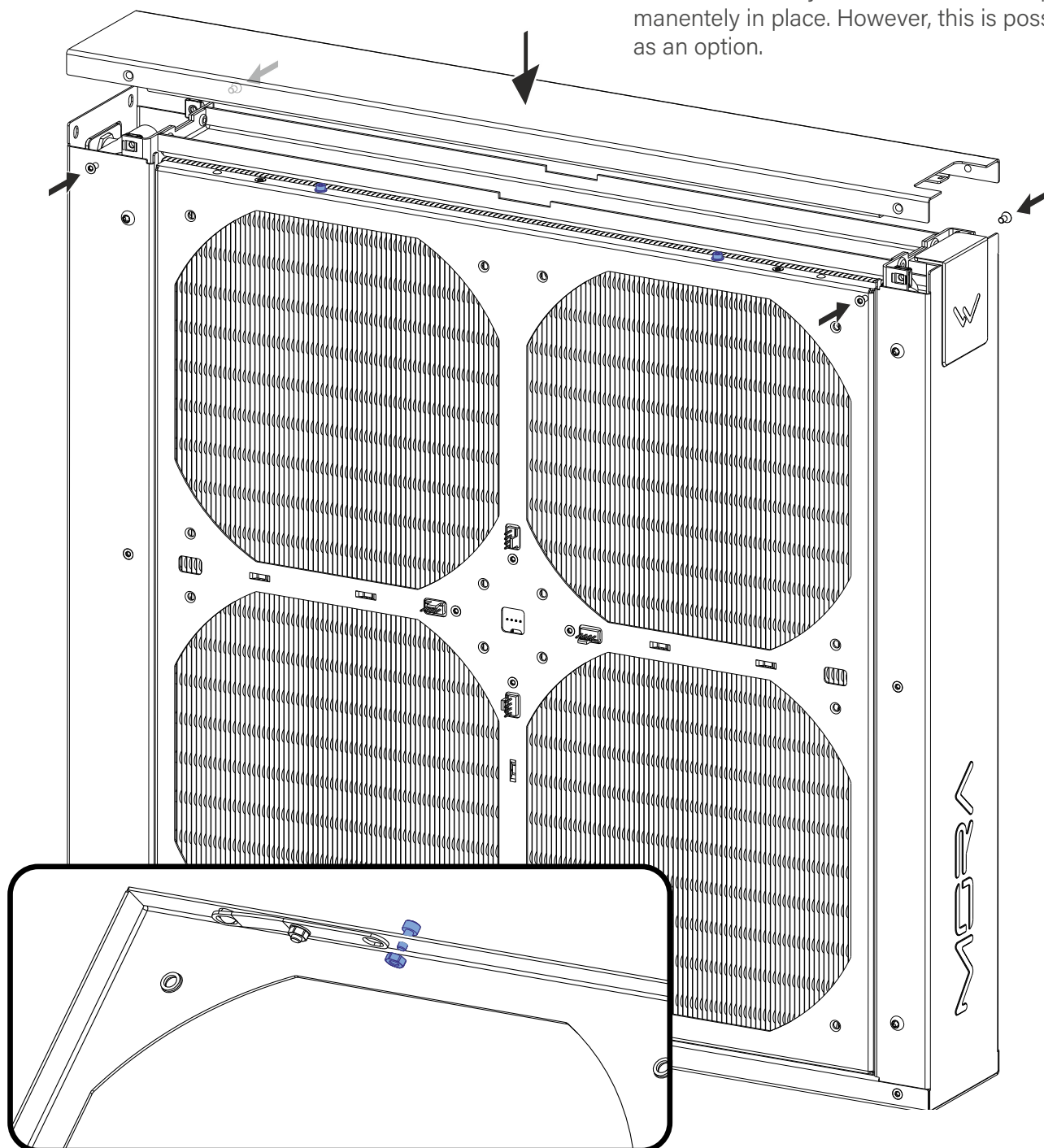
2x



M2,5

PERMANENT LOCK

It is not necessary to lock the fan frame permanently in place. However, this is possible as an option.



2. FAN MOUNTING

2.1 NOCTUA NF-A20

Required tools



Allen Key
3mm

Mounting material

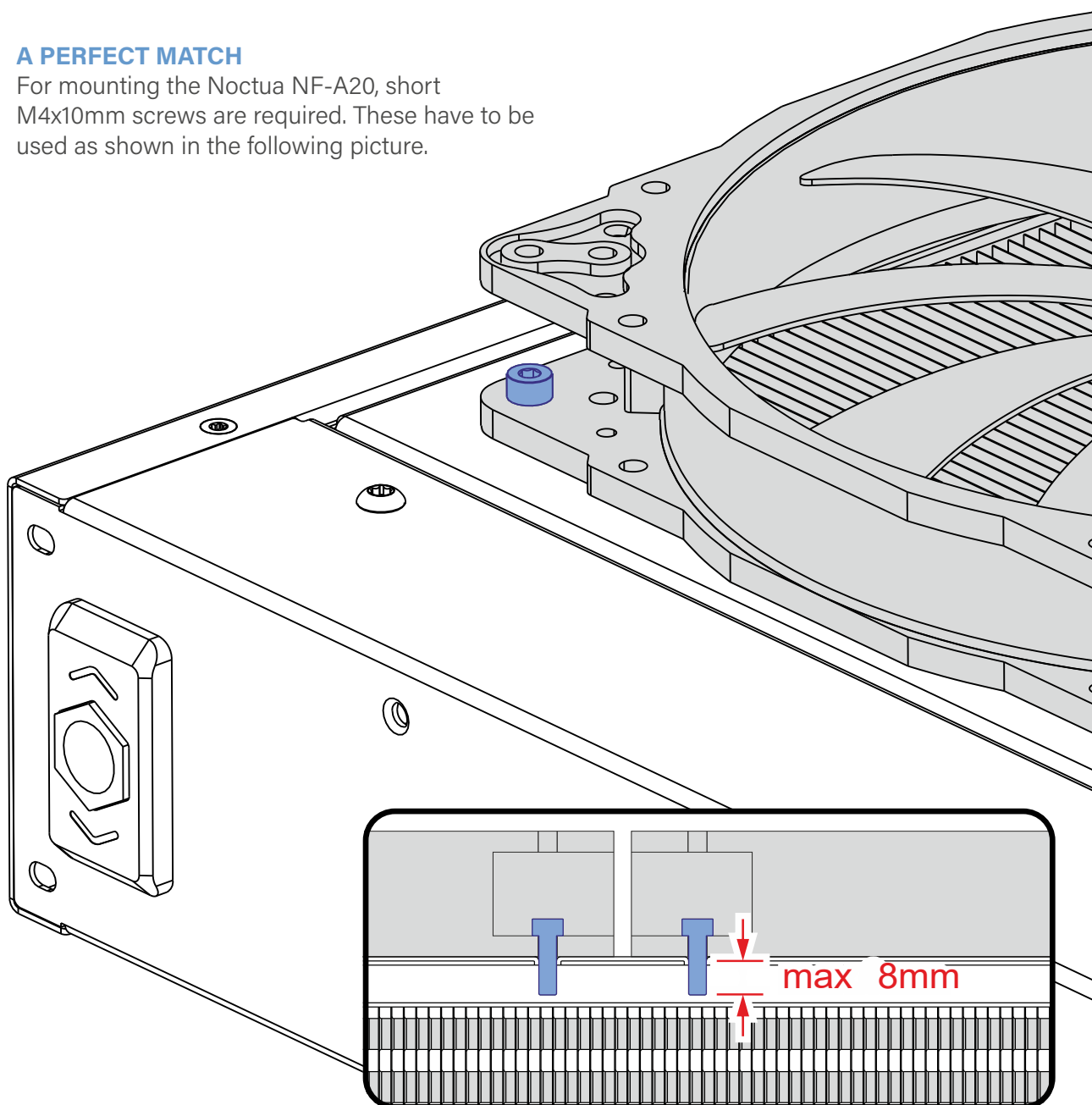
4x per Fan



M4x10

A PERFECT MATCH

For mounting the Noctua NF-A20, short M4x10mm screws are required. These have to be used as shown in the following picture.



2.2 140X140X25MM FANS

Required tools



Phillips PH1

Mounting material

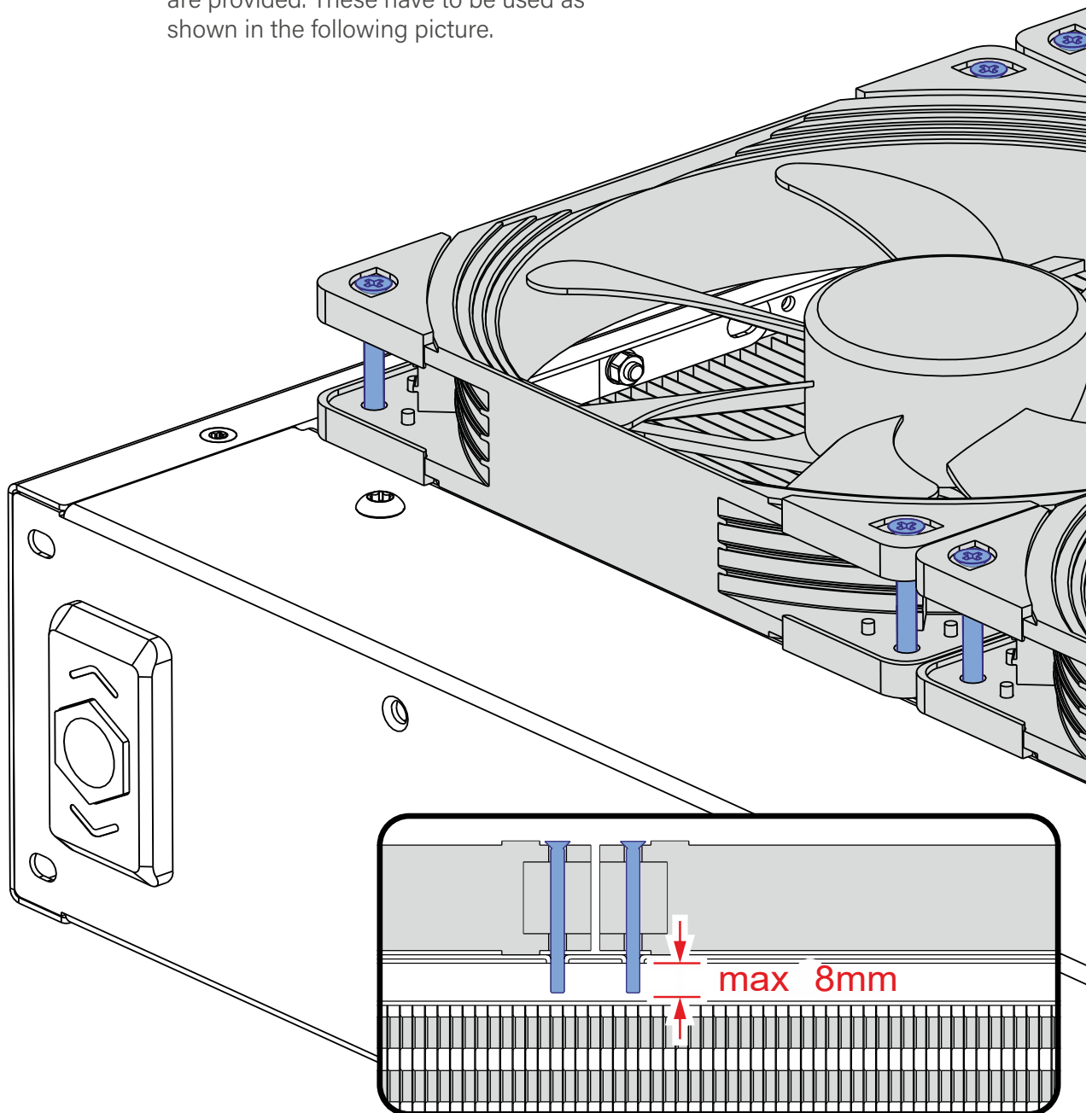
4x per Fan



M3x30

FAN MOUNTING IS EASY

For mounting the fans with a standard frame height of 25mm, M3x30mm screws are provided. These have to be used as shown in the following picture.



3. STANDS

Required tools



Allen Key
3mm

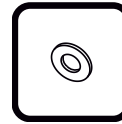
Mounting material

4x

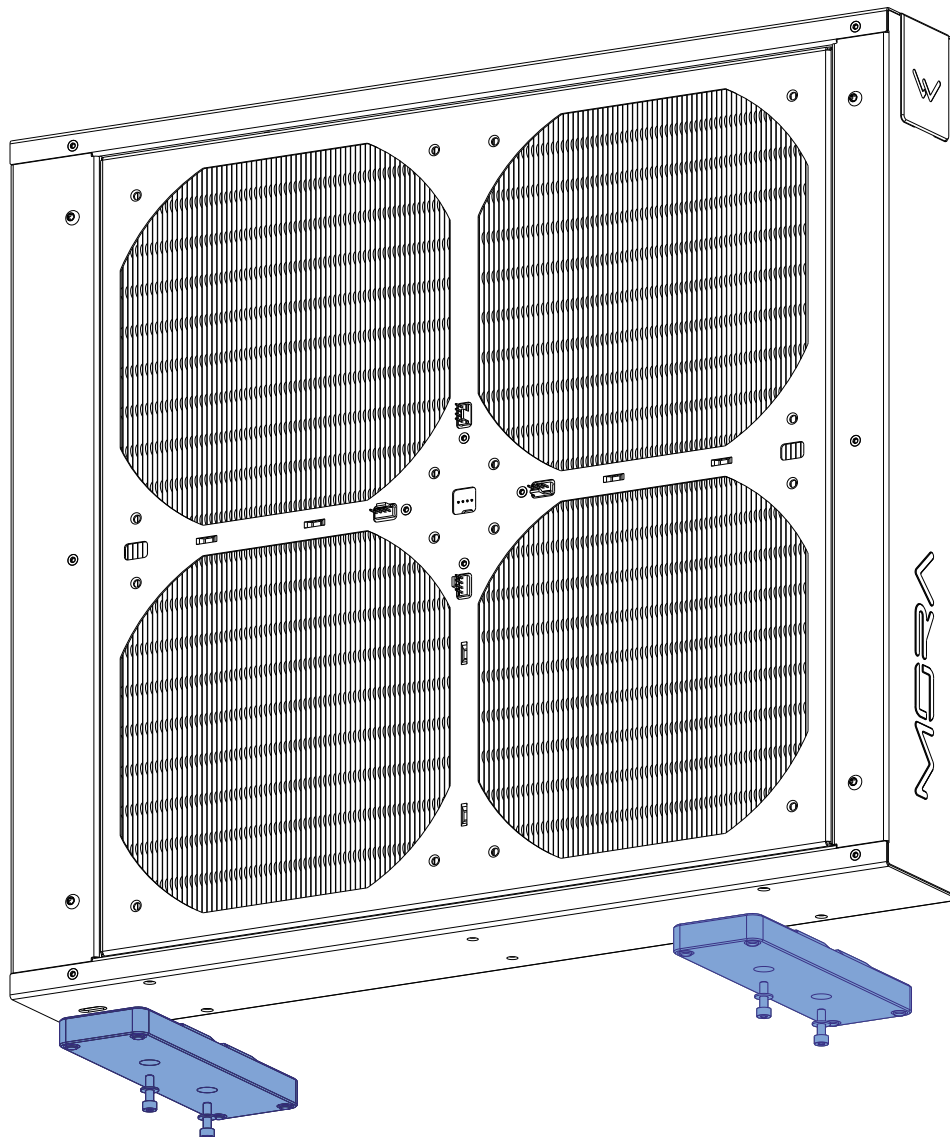


M4x12

4x

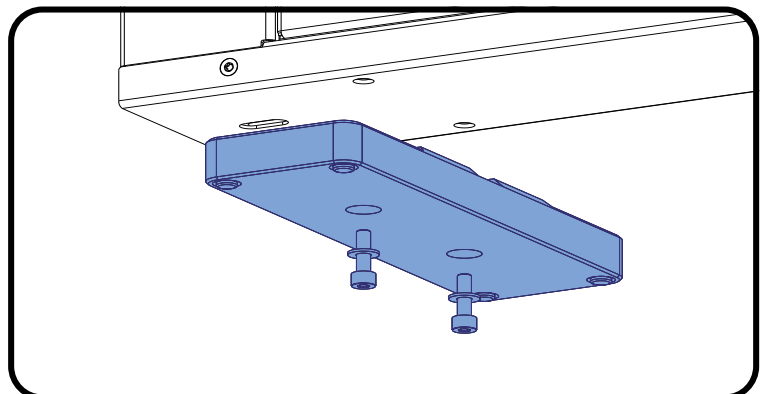


M4



FOR A SAFE STAND

The stands are fastened with the enclosed screws as shown below. The washers should be placed between the screw head and the stand.



4. FAN GRILL

4.1 REMOVING THE STOCK SCREWS

Required tools



Torx TX20



MO-RA
TOOL

Mounting material

4x

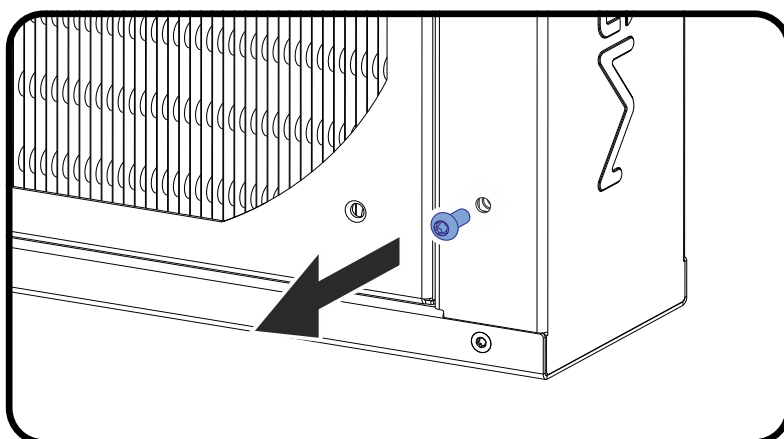
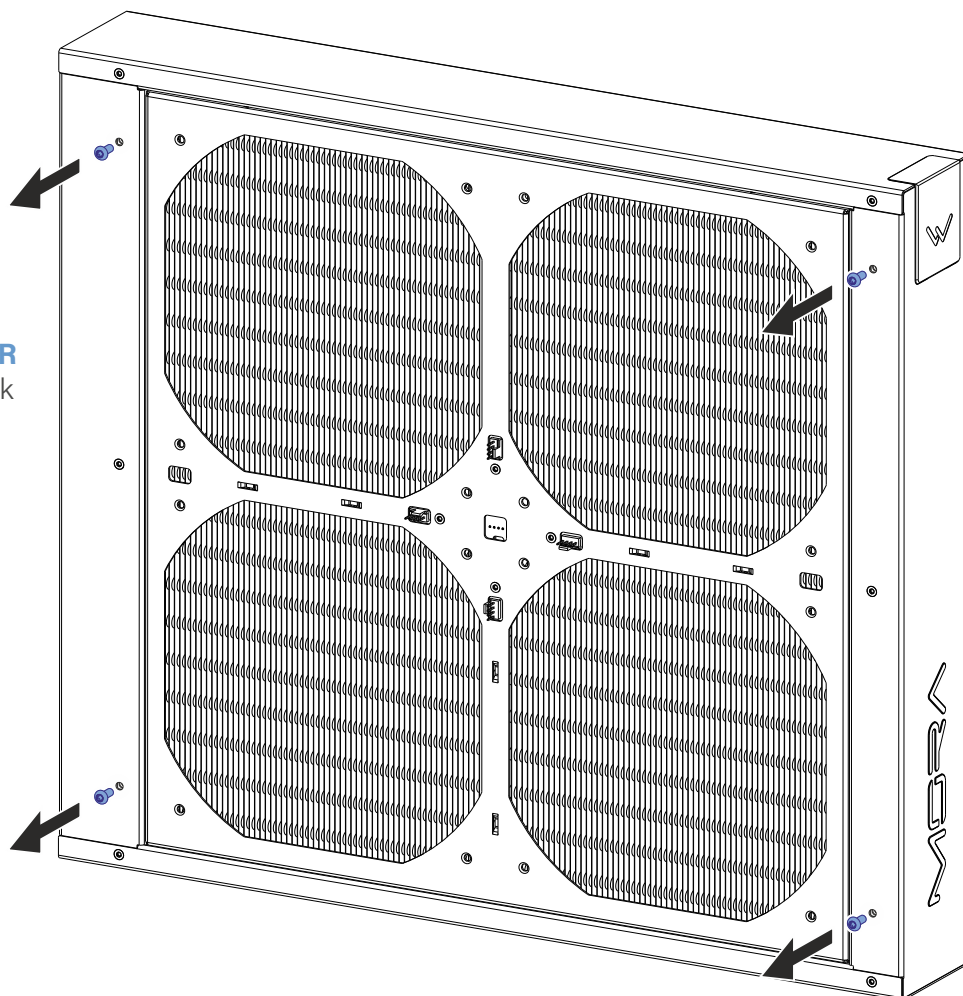


4x

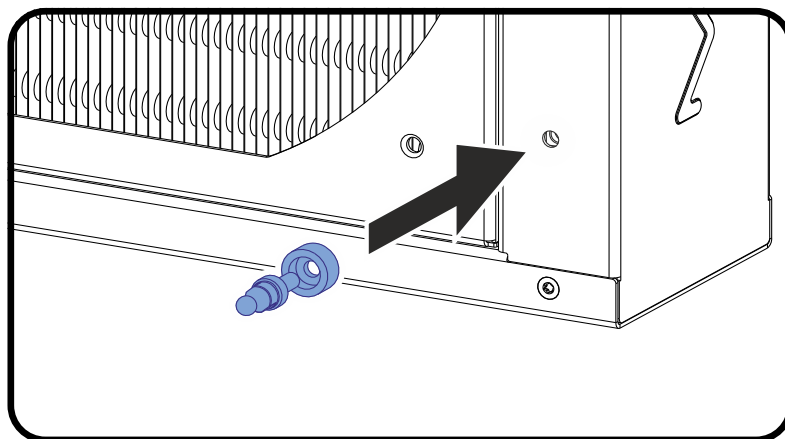
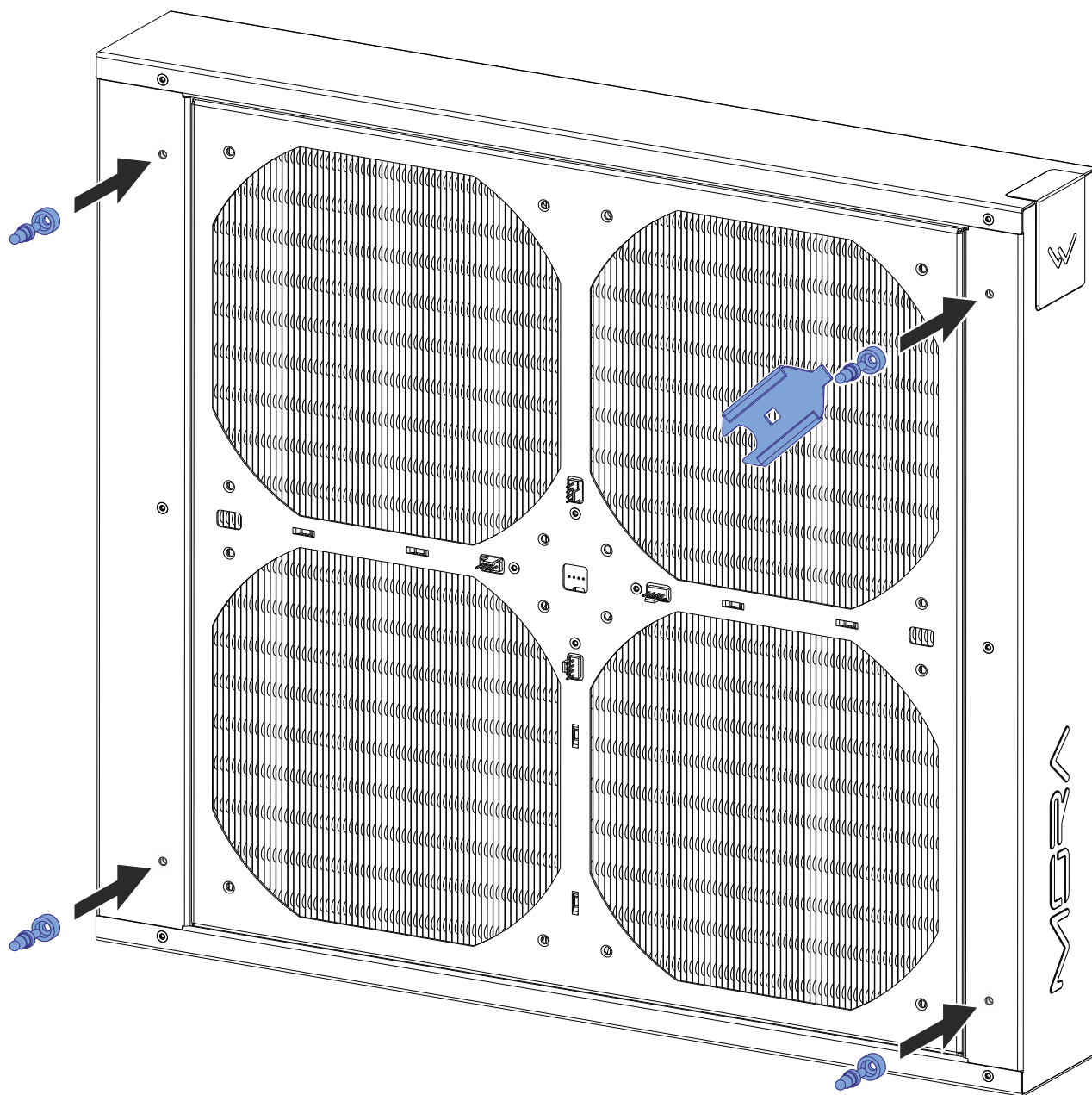


PREPARE THE RADIATOR

Start by removing the stock bolts as shown.



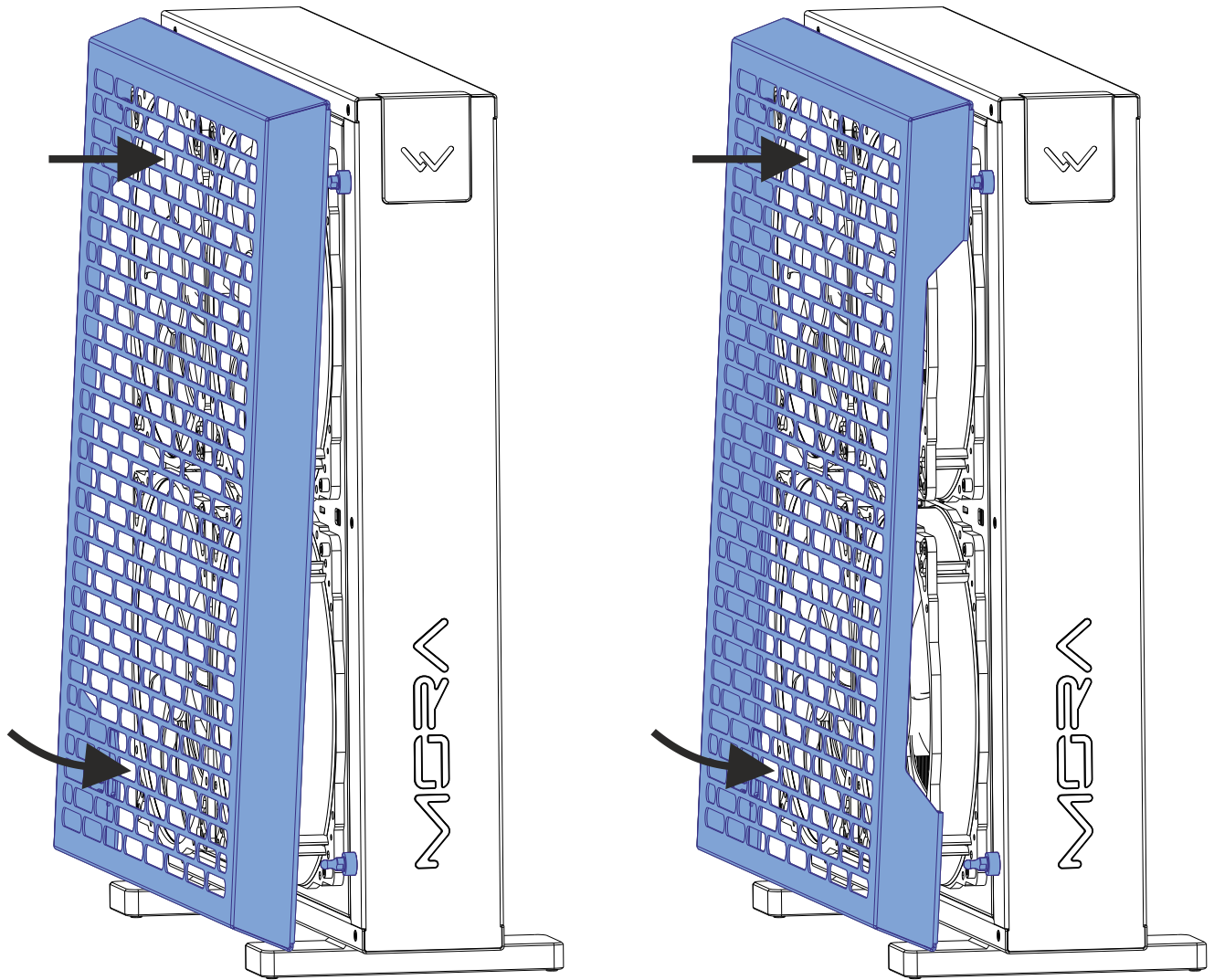
4.2 MOUNTING THE EASYMOUNT PINS



EASY MOUNT PINS

Then insert the easy-mount-pins into the opening of the washer and screw both together to the radiator.

4.3 ATTACH THE FAN GRILL



EASY SNAP ON FIT

The fan grill can then simply be snapped onto the easy-mount-pins. The locking mechanism is confirmed by an audible click. To remove the fan grill, simply pull it off. The cutout in the fan cover can be moved to the front or back.

5. WALL MOUNT

Required tools



Allen Key
3mm

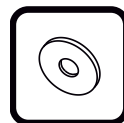
Mounting material

4x



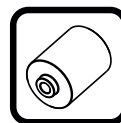
M4x35

4x



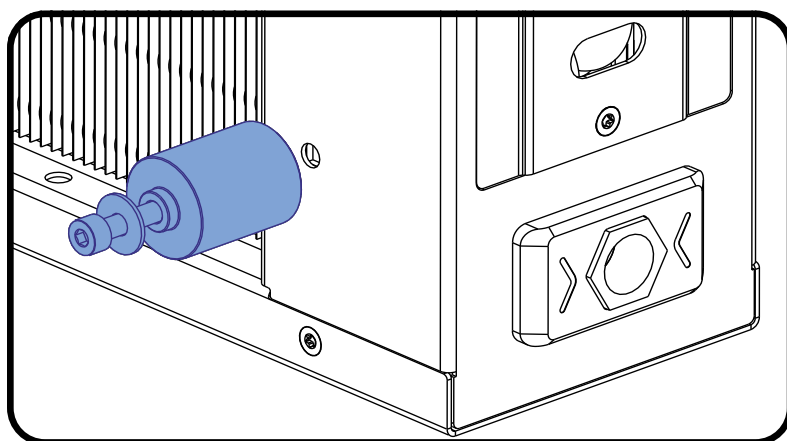
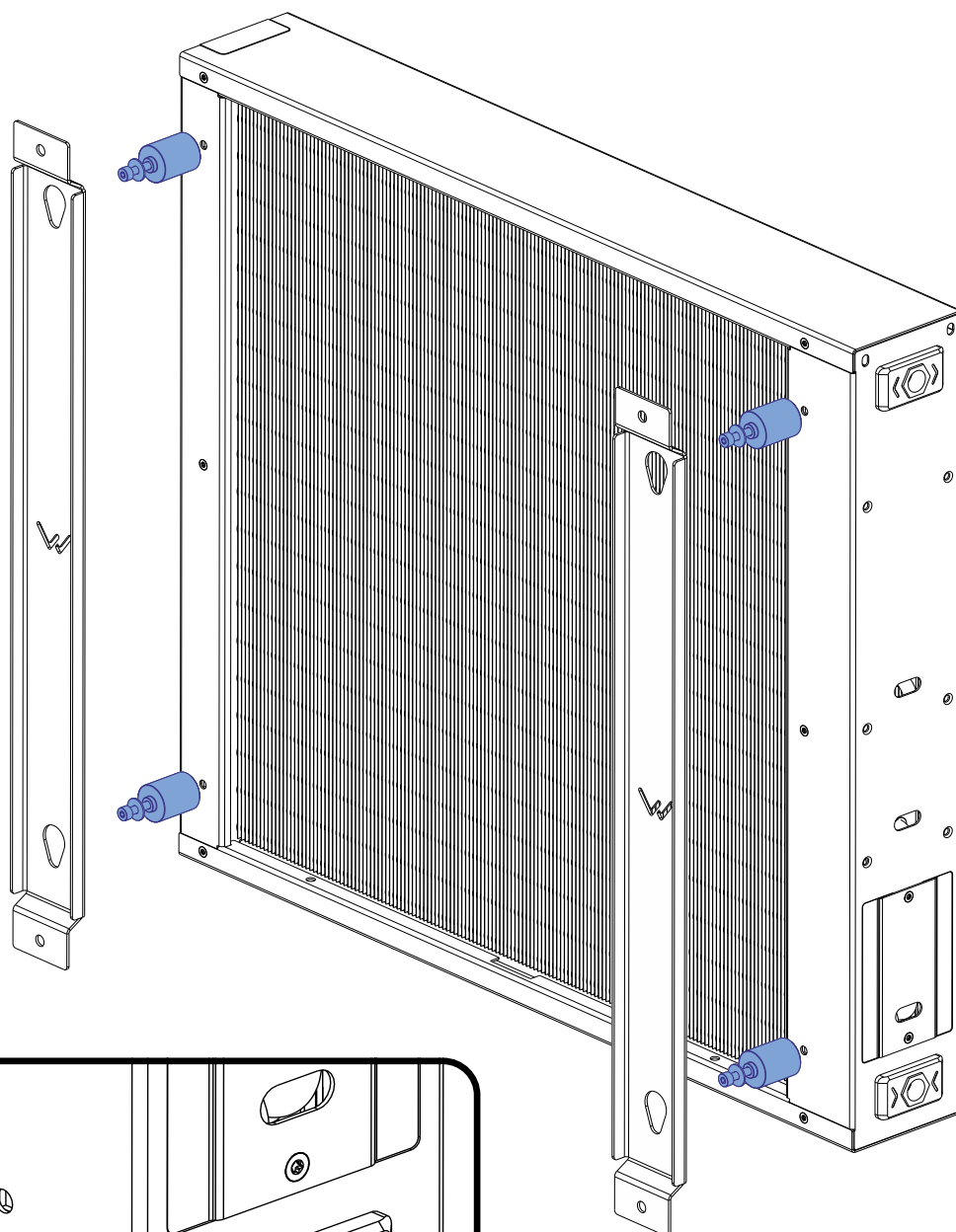
M4

4x



WALL MOUNT

The wall bracket can be used to attach the radiator to a flat surface. On the radiator side, the mounting parts must be fitted as shown. Please ensure that the washer are positioned properly. These are used to anchor the radiator in the wall bracket.

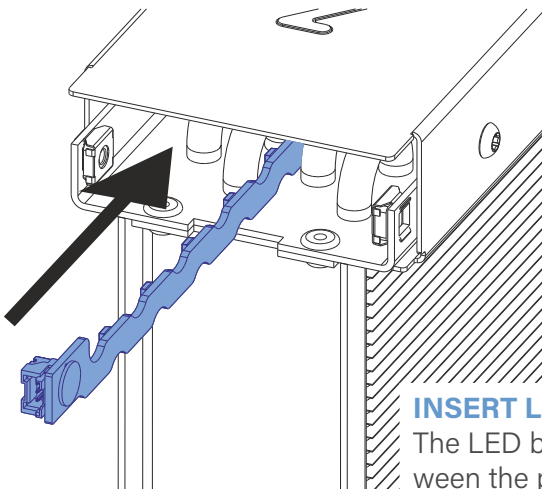


6. FRONT LOGO LED

Required tools

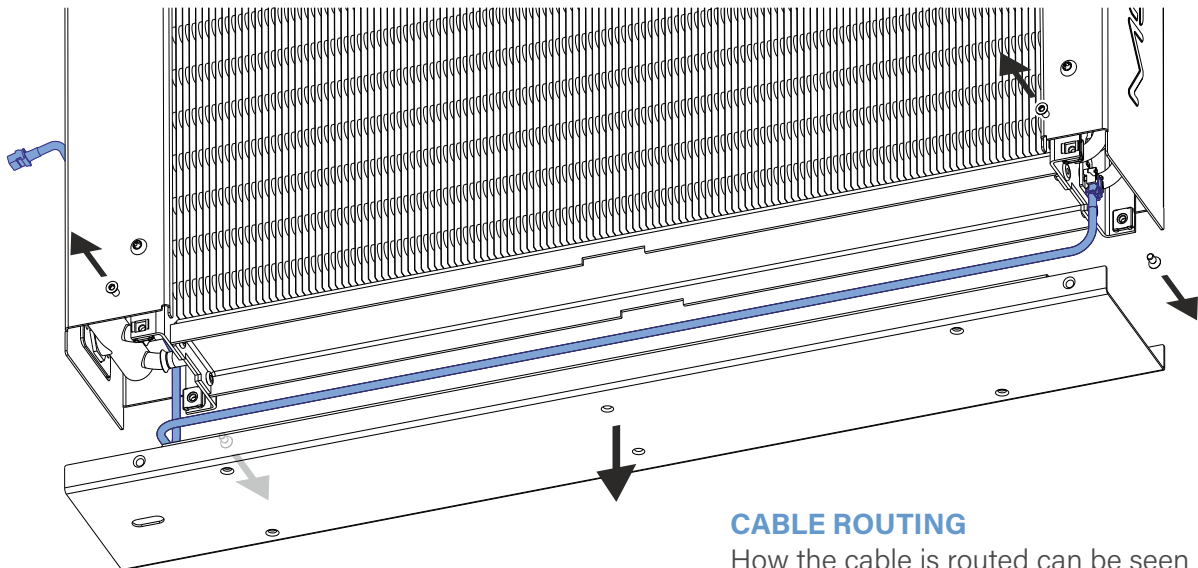
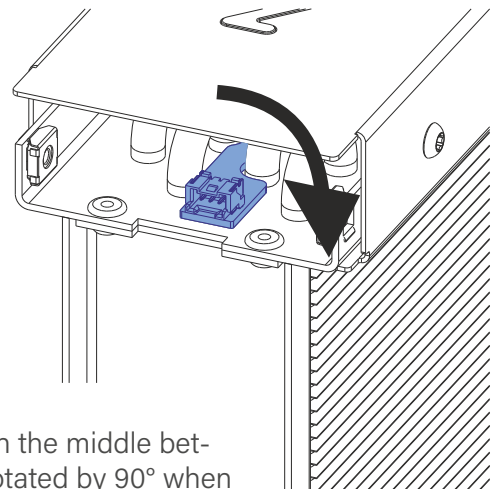


Torx TX20



INSERT LED

The LED board is inserted in the middle between the pipe bends and rotated by 90° when the final position is reached. It is fixed in place magnetically.



CABLE ROUTING

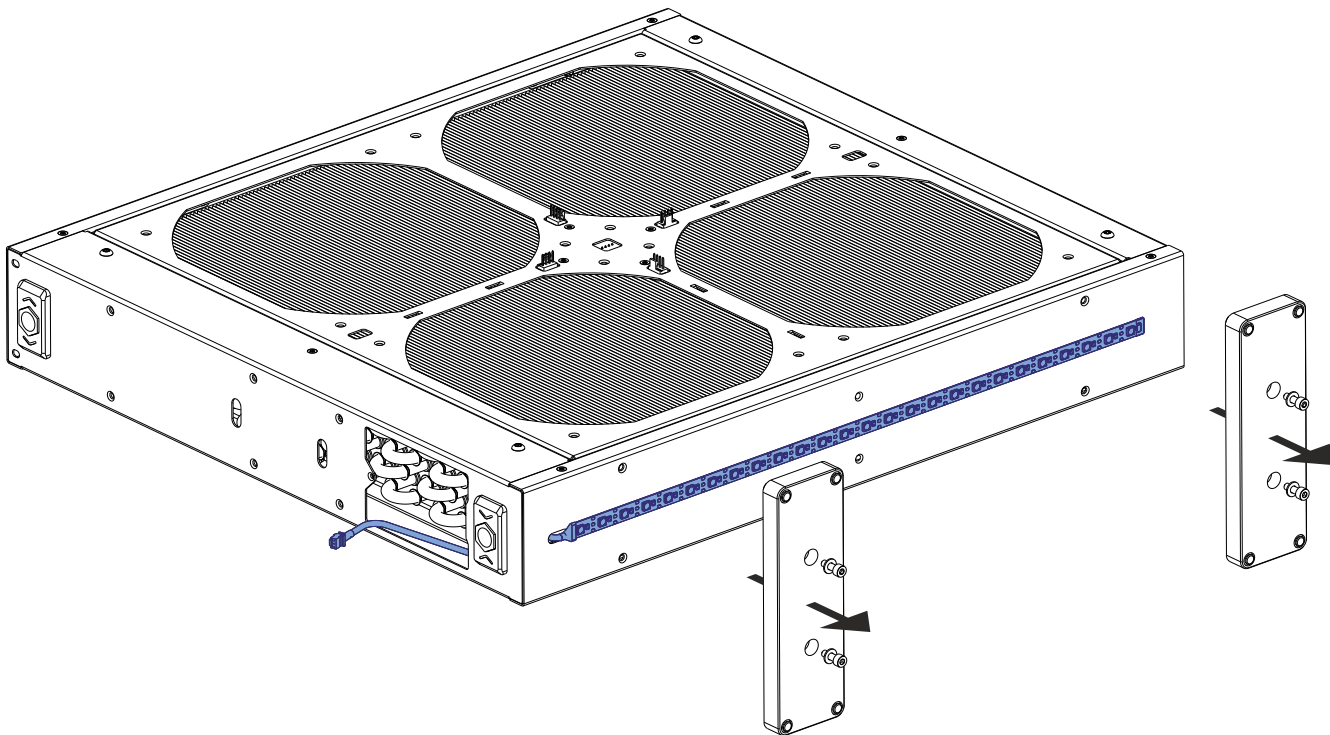
How the cable is routed can be seen in the illustration above.

7. AMBIENT LED

Required tools



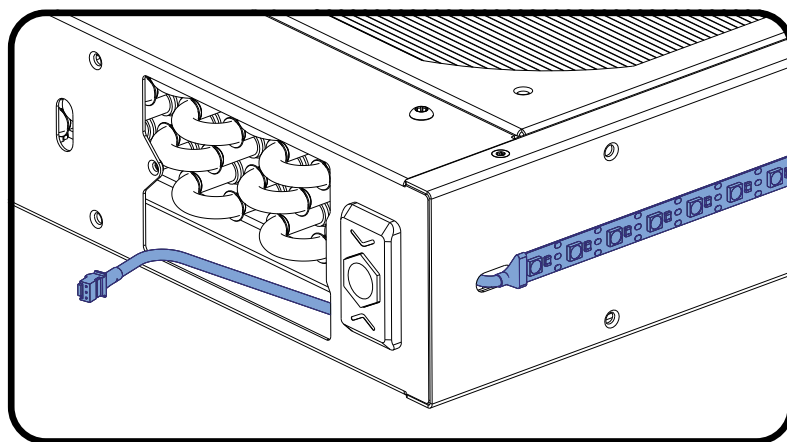
Torx TX20



LET THERE BE LIGHT

First, the feet must be removed. Then the cable of the LED strip is fed through the hole in the lower part of the housing from the outside. This is then led out at the back as shown and connected to either the MO-RA IV Active Control or the MO-RA IV Passive Control. Further information on this can be found in the respective instructions for these products.

Then remove the protective film from the double-sided adhesive tape on the back of the LED strip and attach the LED strip to the bottom part of the housing as centrally as possible. Finally, the feet are refitted.



8. HEATKILLER TUBE ADAPTER

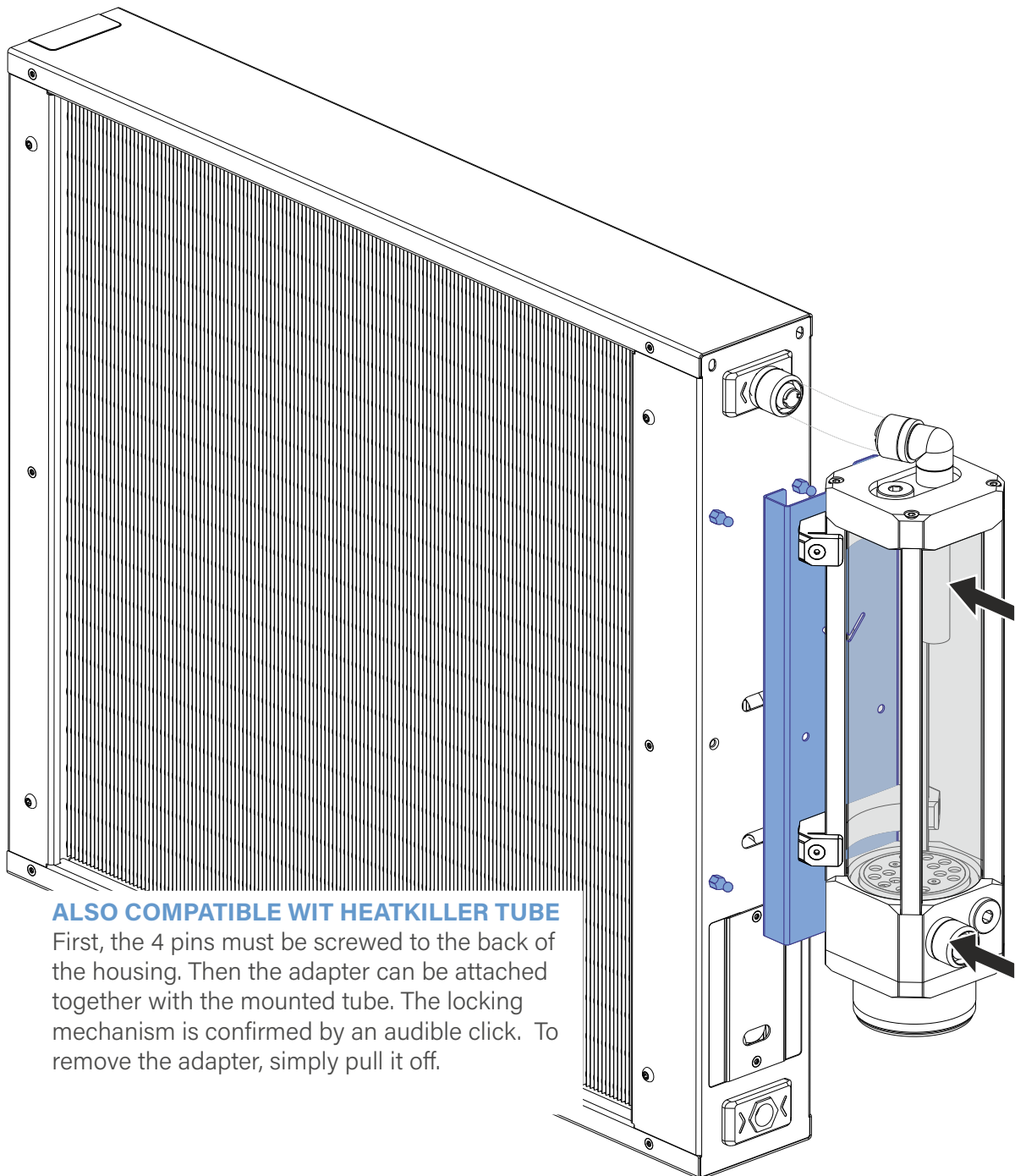
Required Tools



MO-RA
TOOL

Mounting Material

4x

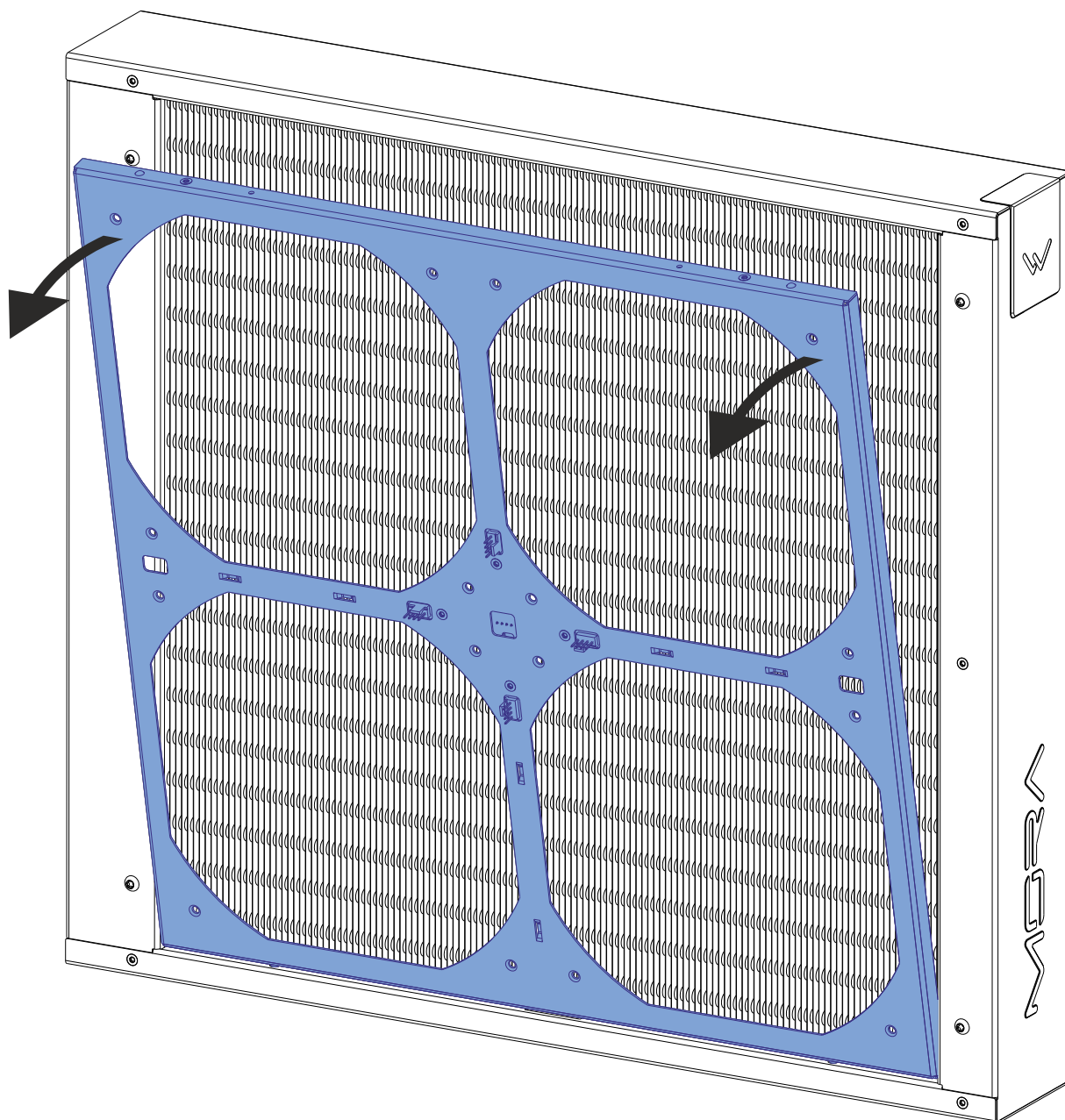


ALSO COMPATIBLE WIT HEATKILLER TUBE

First, the 4 pins must be screwed to the back of the housing. Then the adapter can be attached together with the mounted tube. The locking mechanism is confirmed by an audible click. To remove the adapter, simply pull it off.

1. FAN FRAME

1.1 WERKZEUGLOSE MONTAGE



WERKZEUGLOSE MONTAGE

Der Fan Frame kann ohne die Verwendung von Werkzeugen montiert und demontiert werden.

1.2 QUICK LOCK FEATURE (NUR MO-RA IV 600)

Benötigte Werkzeuge



Torx TX20

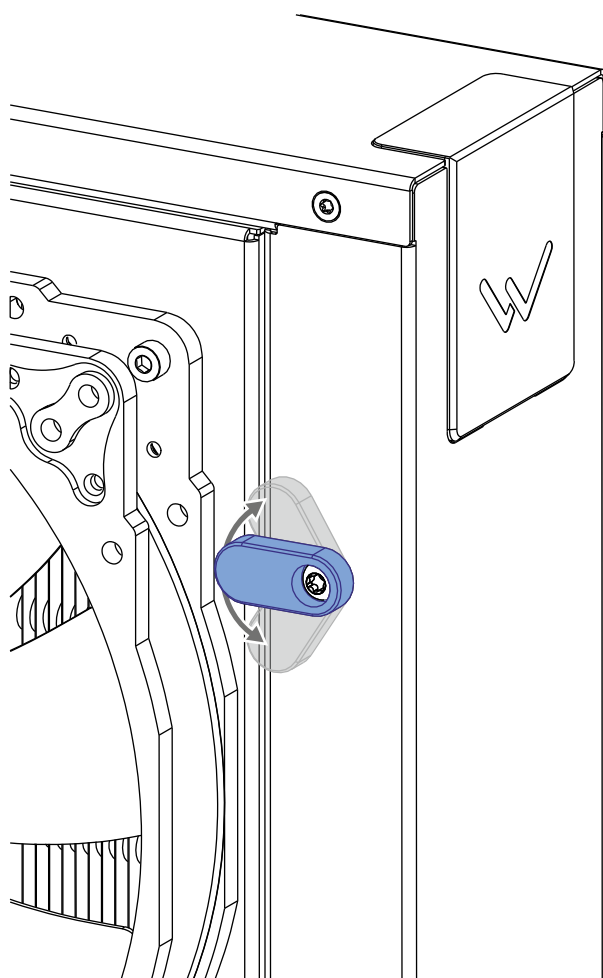
Montagematerial

2x

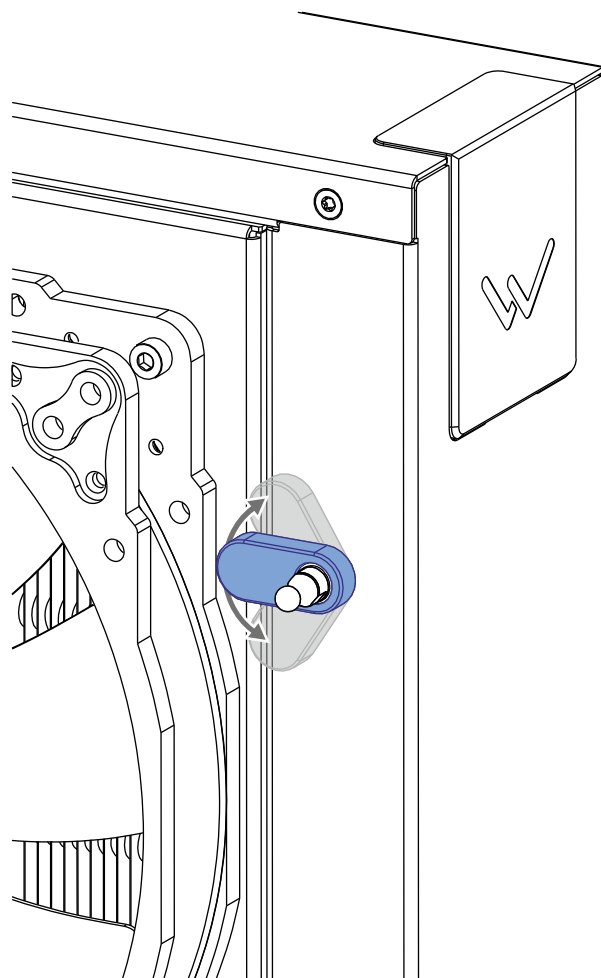


M4x10

2x



Ohne Fan Grill



Mit Fan Grill

1.3 OPTIONAL - PERMANENTE VERRIEGELUNG

Benötigte Werkzeuge



Inbus 2mm

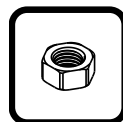
Montagematerial

2x



M2,5x6

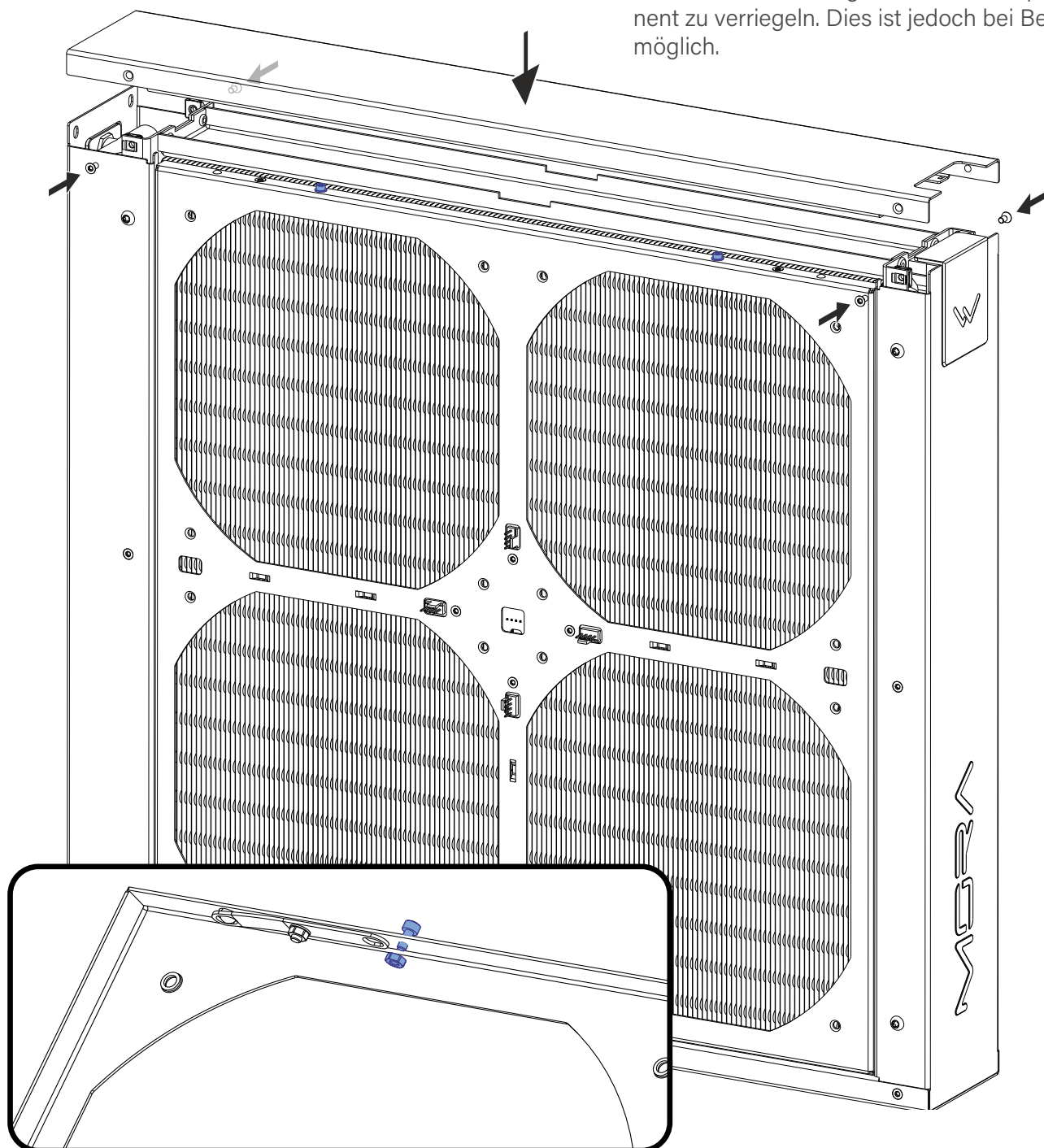
2x



M2,5

PERMANENT VERRIEGELN

Es ist nicht notwendig den Fan Frame permanent zu verriegeln. Dies ist jedoch bei Bedarf möglich.



2. LÜFTER MONTAGE

2.1 NOCTUA NF-A20

Benötigte Werkzeuge



Inbus 3mm

Montagematerial

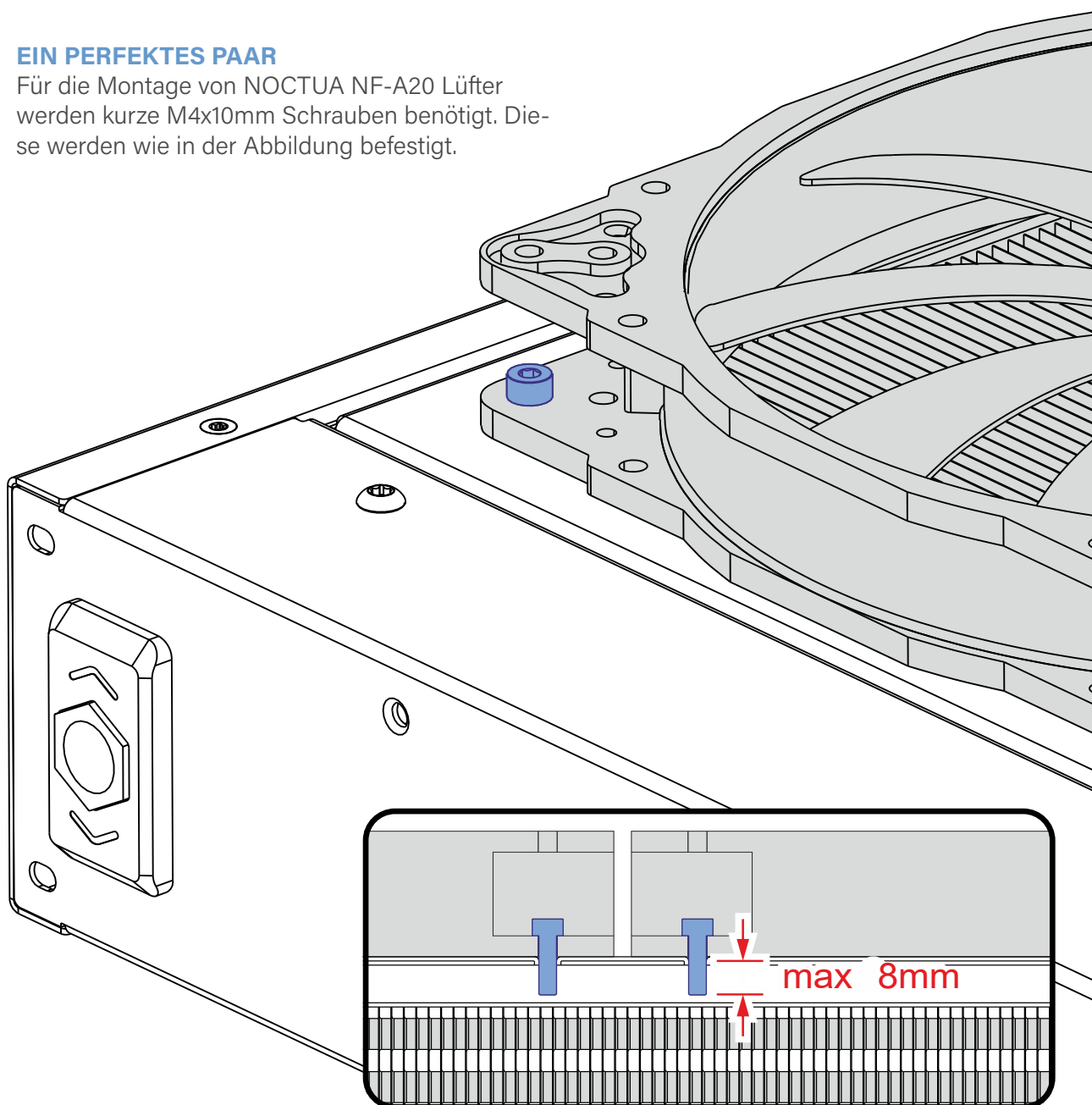
4 pro Lüfter



M4x10

EIN PERFEKTES PAAR

Für die Montage von NOCTUA NF-A20 Lüfter werden kurze M4x10mm Schrauben benötigt. Diese werden wie in der Abbildung befestigt.



2.2 140X140X25MM LÜFTER

Benötigte Werkzeuge



Phillips PH1

Montagematerial

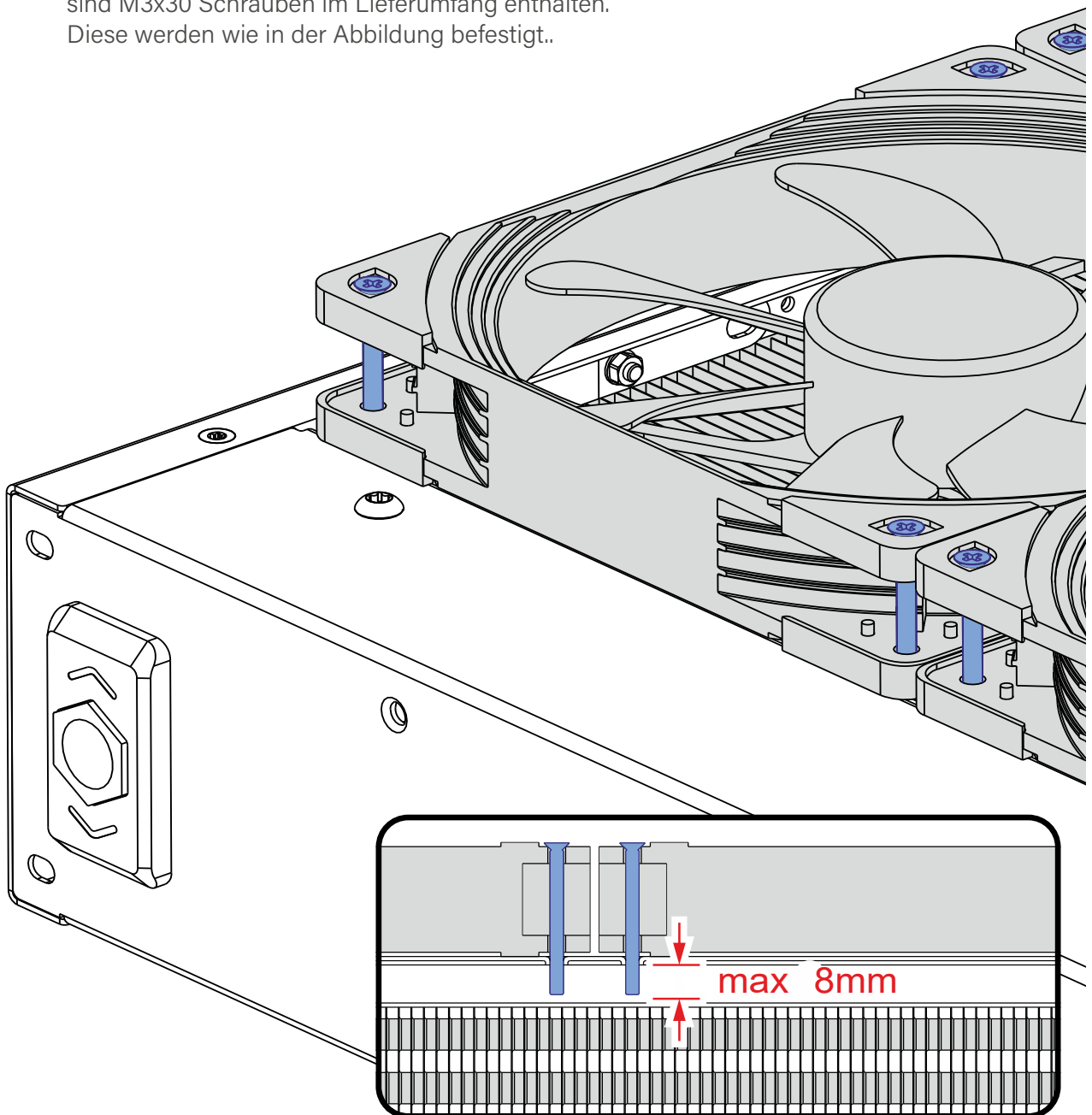
4 pro Lüfter



M3x30

EINFACHE LÜFTERMONTAGE

Für Lüfter mit einer Standardrahmenhöhe von 25mm sind M3x30 Schrauben im Lieferumfang enthalten. Diese werden wie in der Abbildung befestigt.



3. FÜSSE

Benötigte Werkzeuge



Inbus 3mm

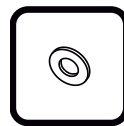
Motagematerial

4x

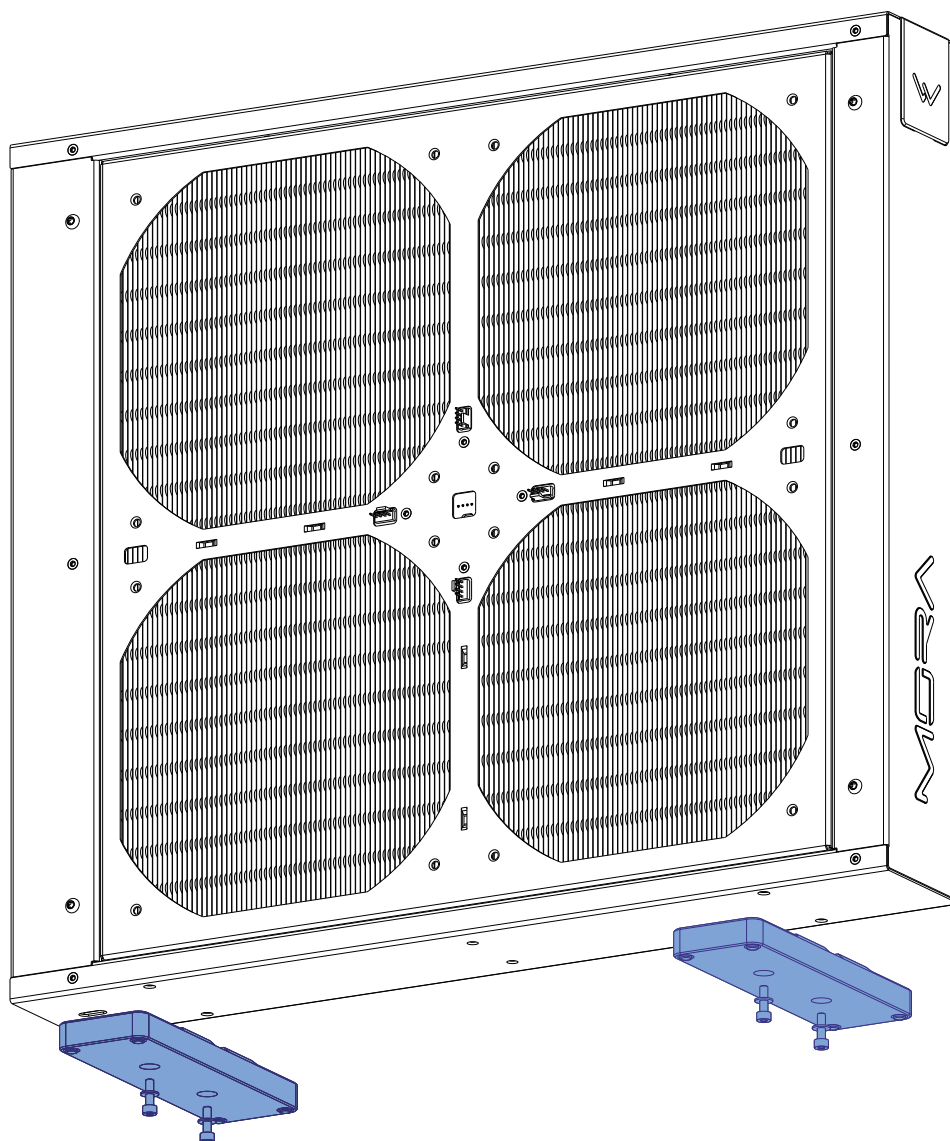


M4x12

4x

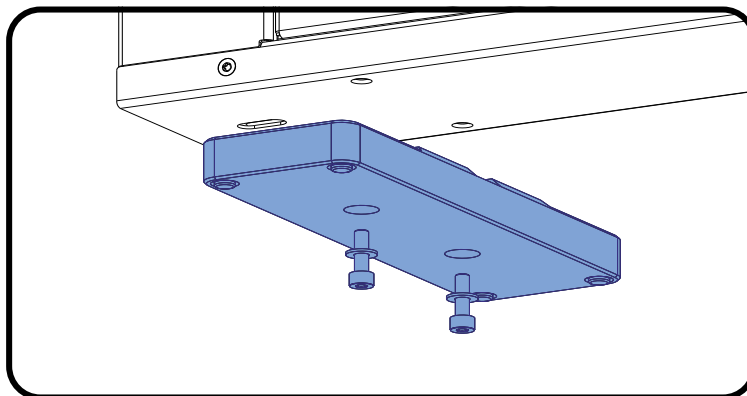


M4



SICHERER STAND

Die Standfüße werden mit den beigelegten Schrauben befestigt, wie nachfolgend gezeigt. Die Unterlegscheiben gehören zwischen den Schraubenkopf und die Standfüße.



4. LÜFTERBLENDE

4.1 VORBEREITUNG

Benötigte Werkzeuge



Torx TX20



MO-RA
TOOL

Montagematerial

4x

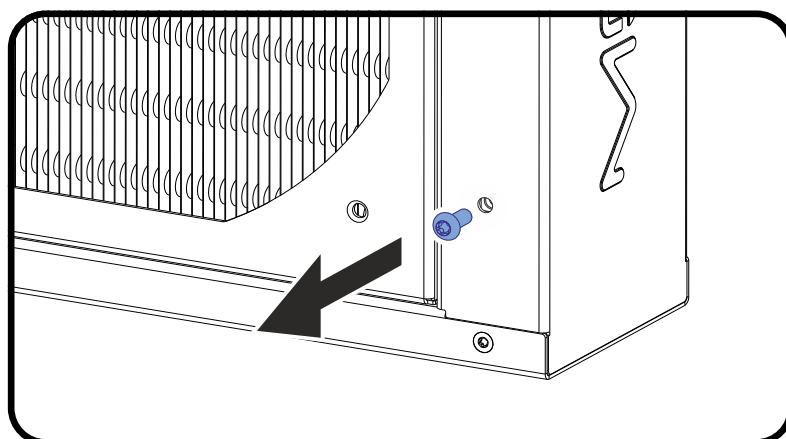
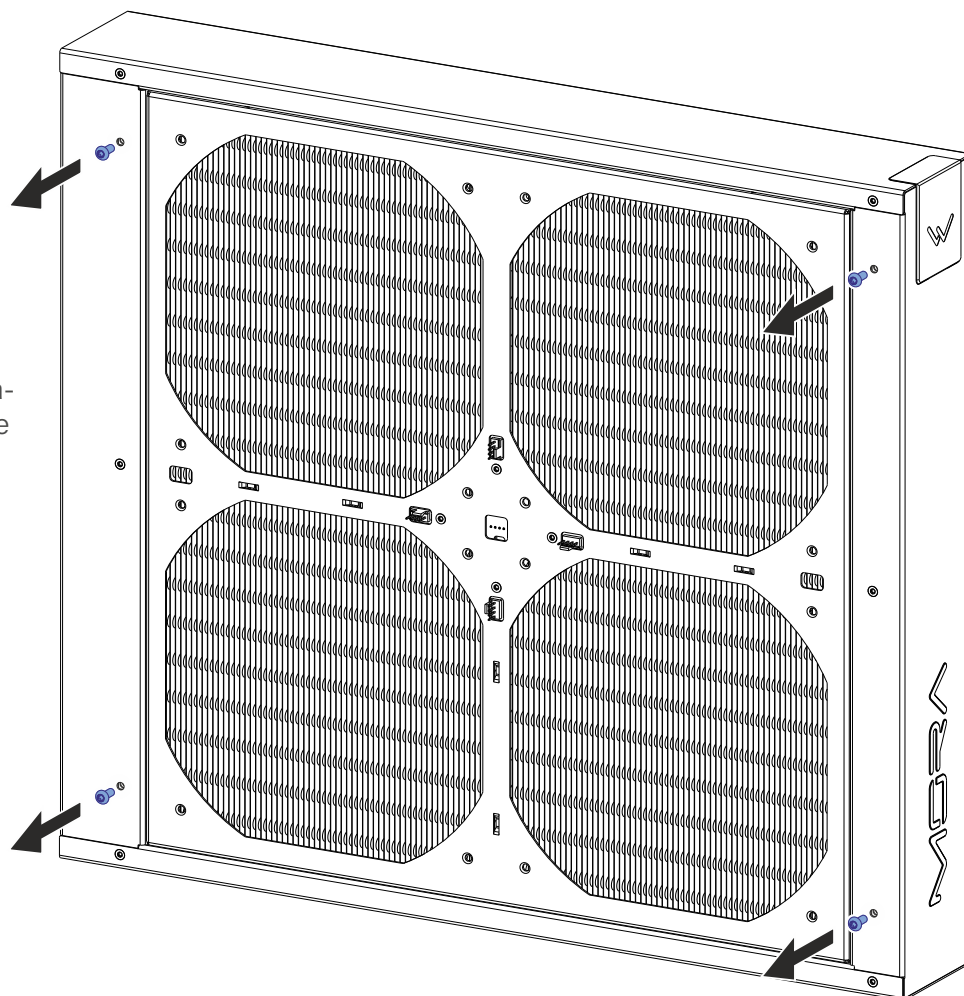


4x

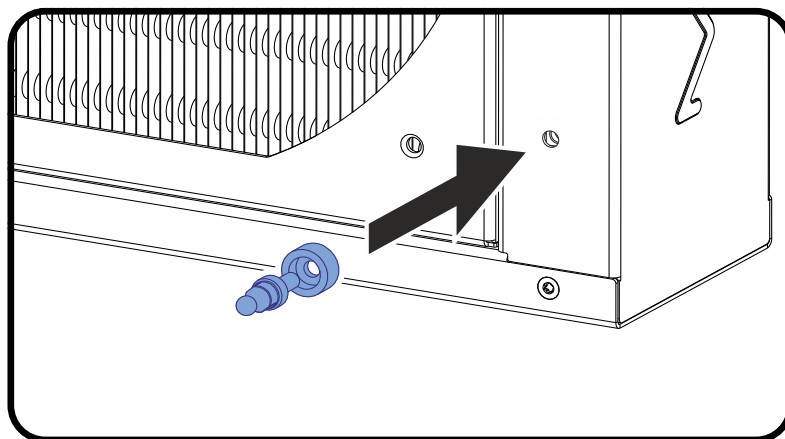
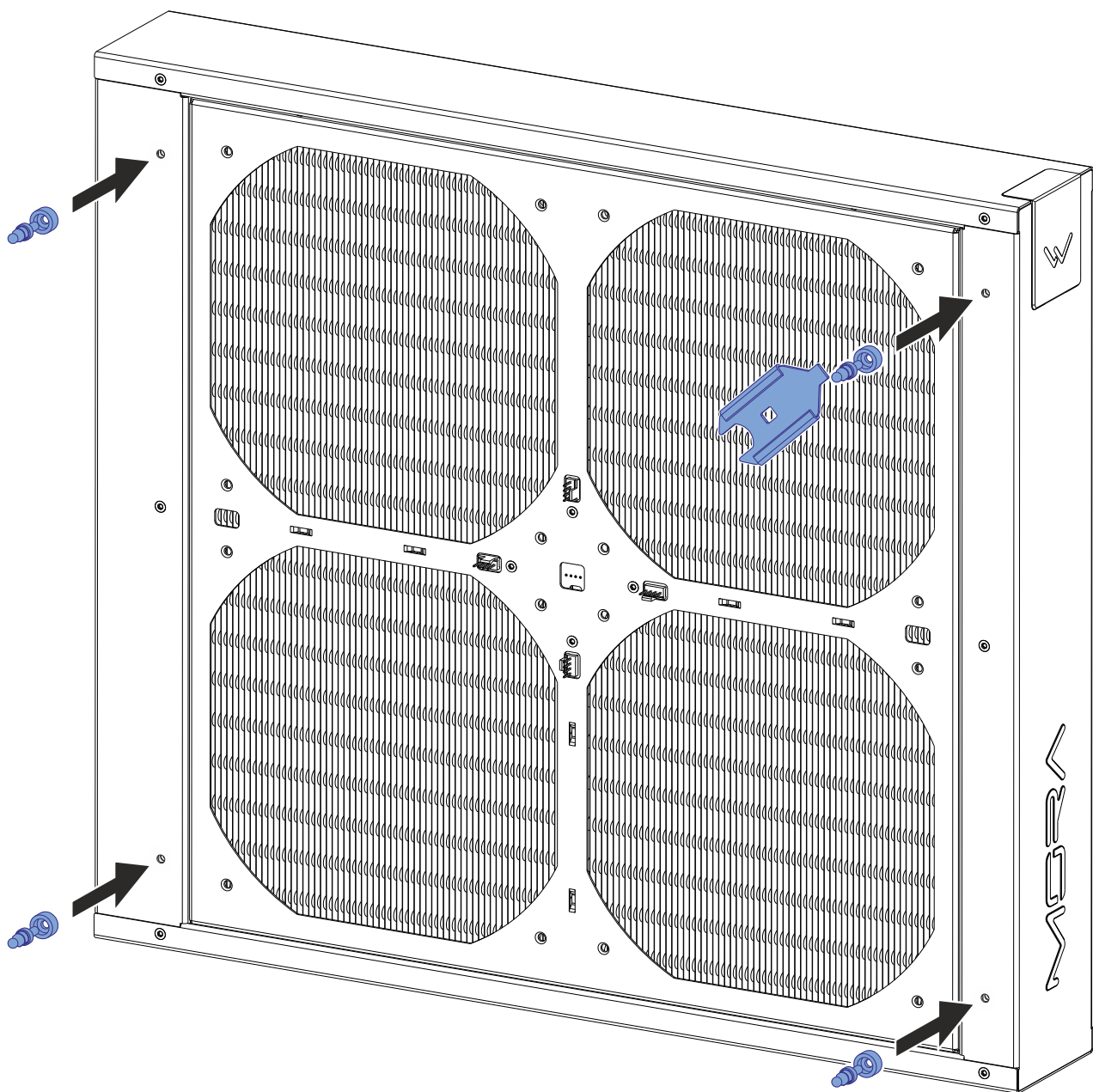


VORBEREITUNG

Fange damit an die originalen Gehäuseschrauben wie abgebildet zu entfernen.



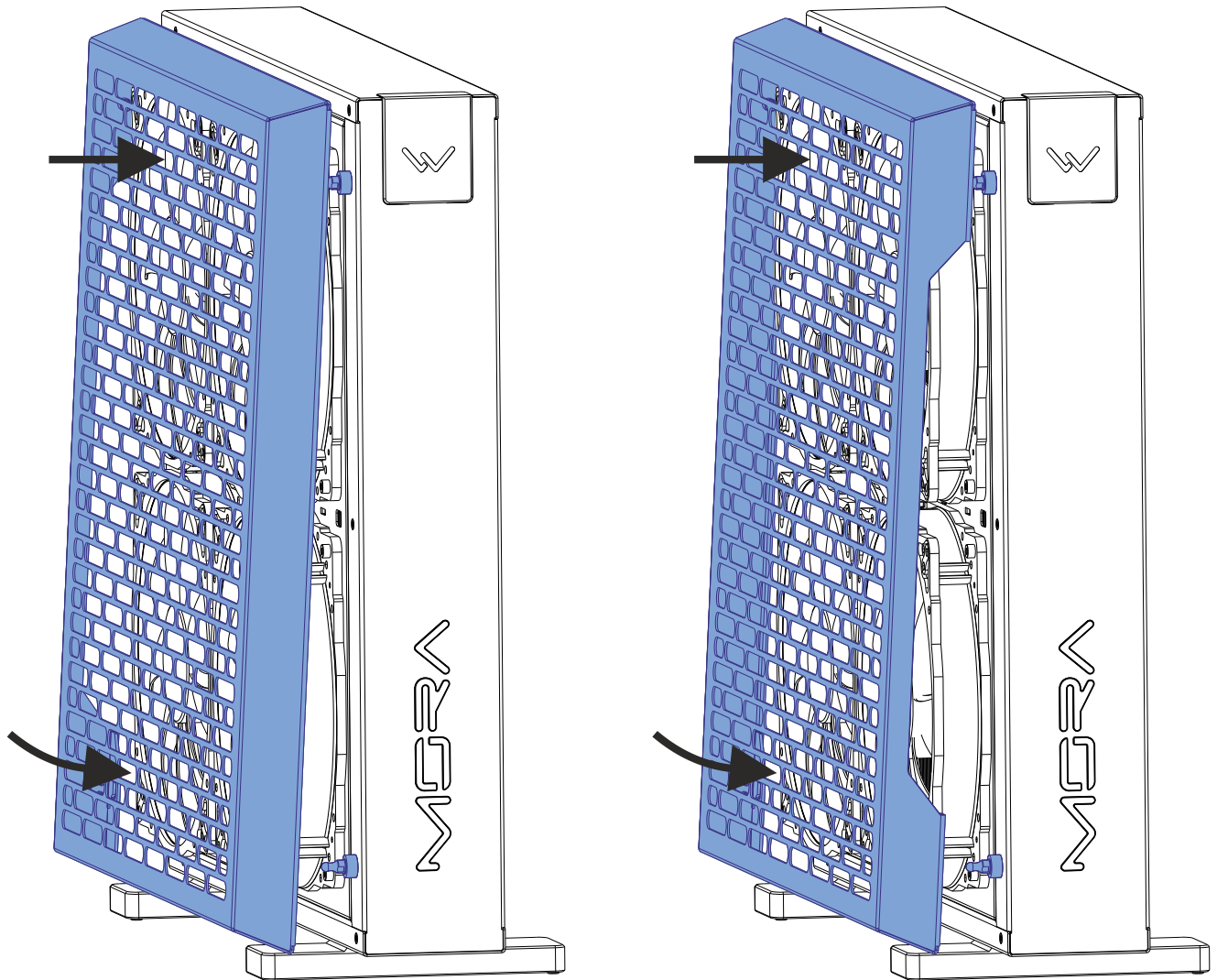
4.2 MONTAGE DER EASYMOUNT PINS



EASY MOUNT PINS

Danach werden die EASY MOUNT PINS in die Öffnung der Abstandshalter gesteckt und anschließend am Radiator verschraubt.

4.3 LÜFTERBLENDE MONTIEREN



EINFACHE KLICK MONTAGE

Anschließend kann die Lüfterblende einfach auf die Easy-Mount-Pins gesteckt werden. Die Verriegelung wird durch einen hörbaren Klick bestätigt. Zur Demontage die Lüfterblende einfach abziehen.

Der Ausschnitt der Lüfterblende kann nach vorn oder nach hinten gedreht werden.

5. WAND MONTAGE

Benötigte Werkzeuge



Inbus 3mm

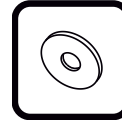
Montagematerial

4x



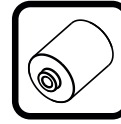
M4x35

4x



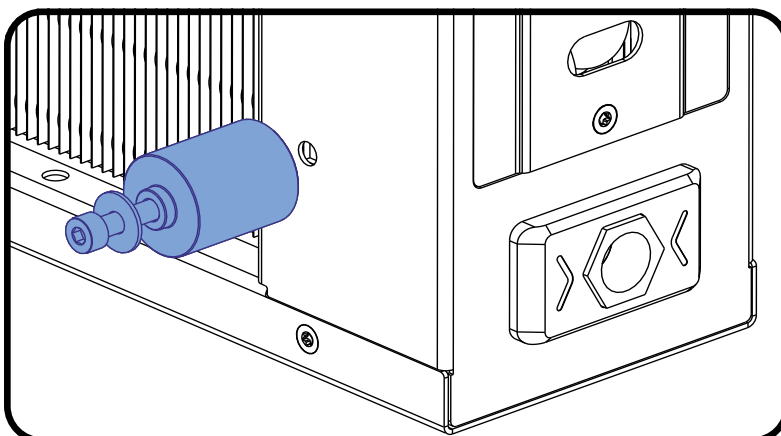
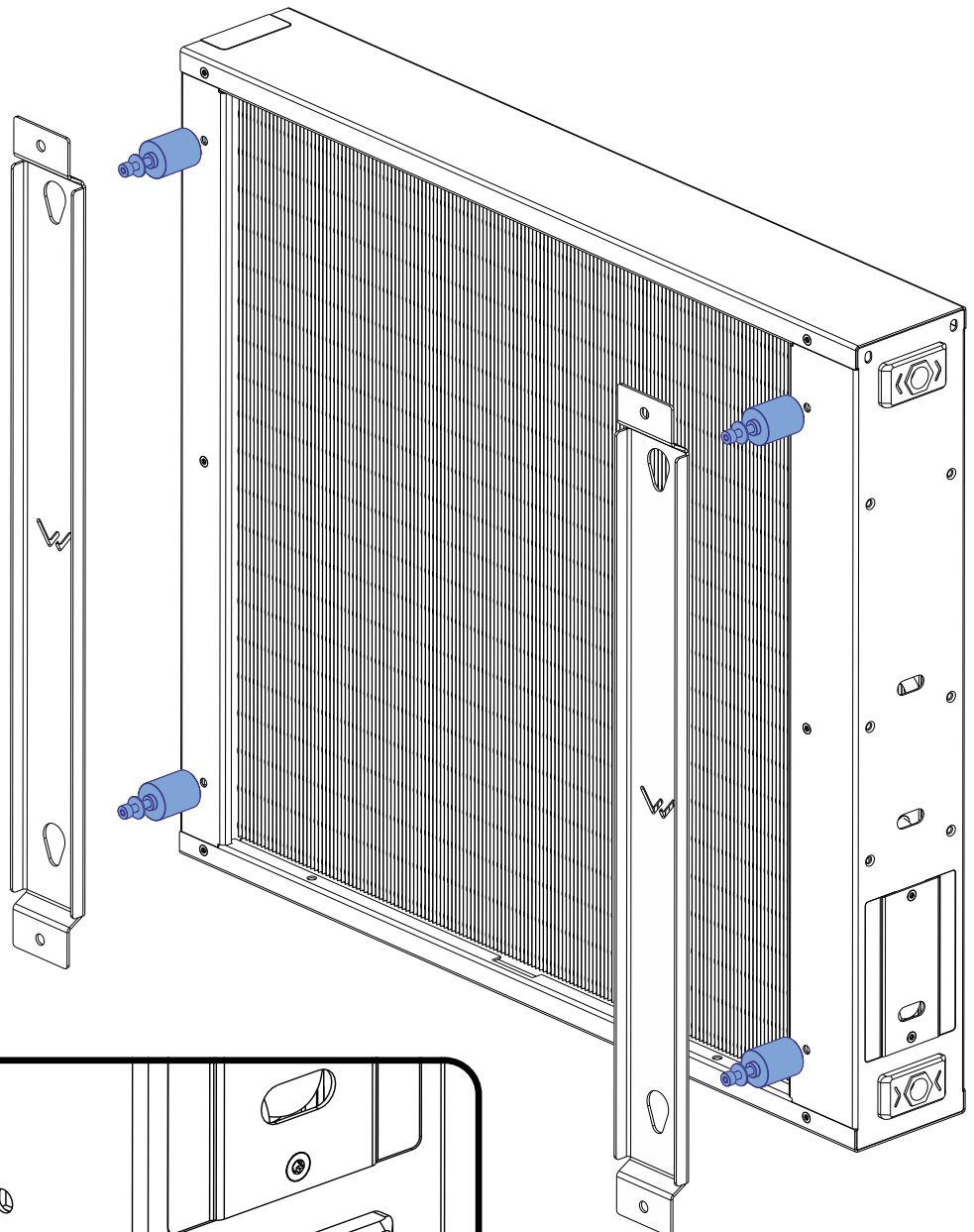
M4

4x



WANDHALTERUNG

Zur Anbringung an einer flachen Oberfläche kann die Wandhalterung verwendet werden. Radiatorseitig sind die Halterungsteile wie gezeigt zu montieren. Bitte auf die korrekte Positionierung der Unterlegscheibe achten. Über diese wird der Radiator anschließend in der Wandhalterung verankert.

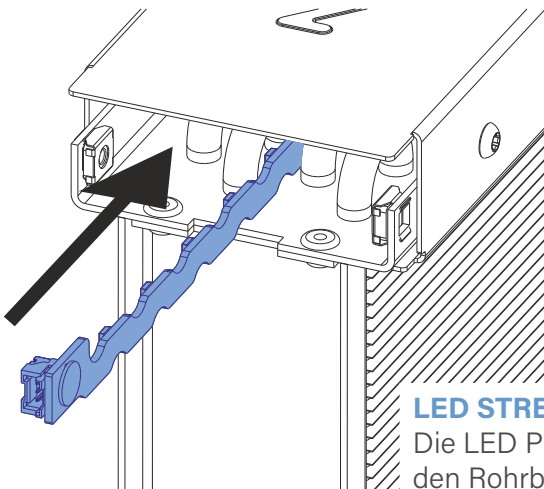


6. FRONT LOGO BELEUCHTUNG

Benötigte Werkzeuge

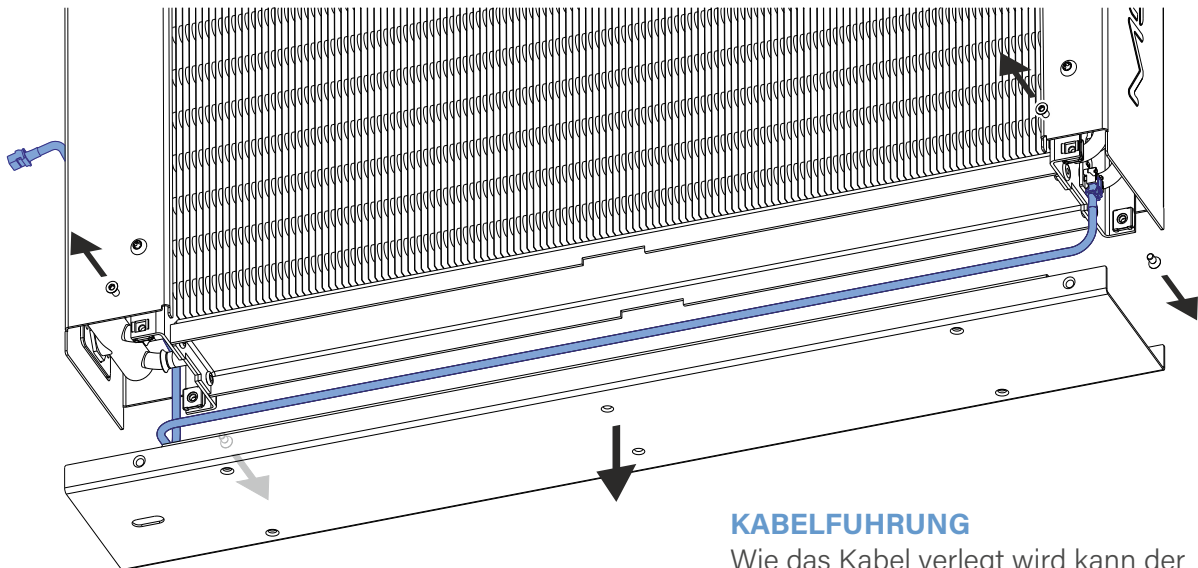
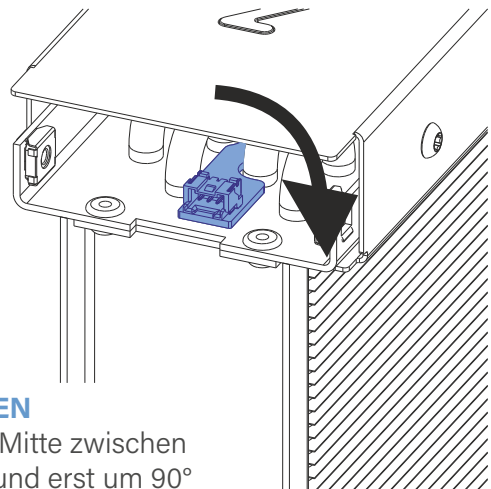


Torx TX20



LED STREIFEN EINFÜHREN

Die LED Platine wird in der Mitte zwischen den Rohrbögen eingeführt und erst um 90° gedreht, wenn die finale Position erreicht ist. Siehe Abbildung. Die Fixierung erfolgt magnetisch.



KABELFUHRUNG

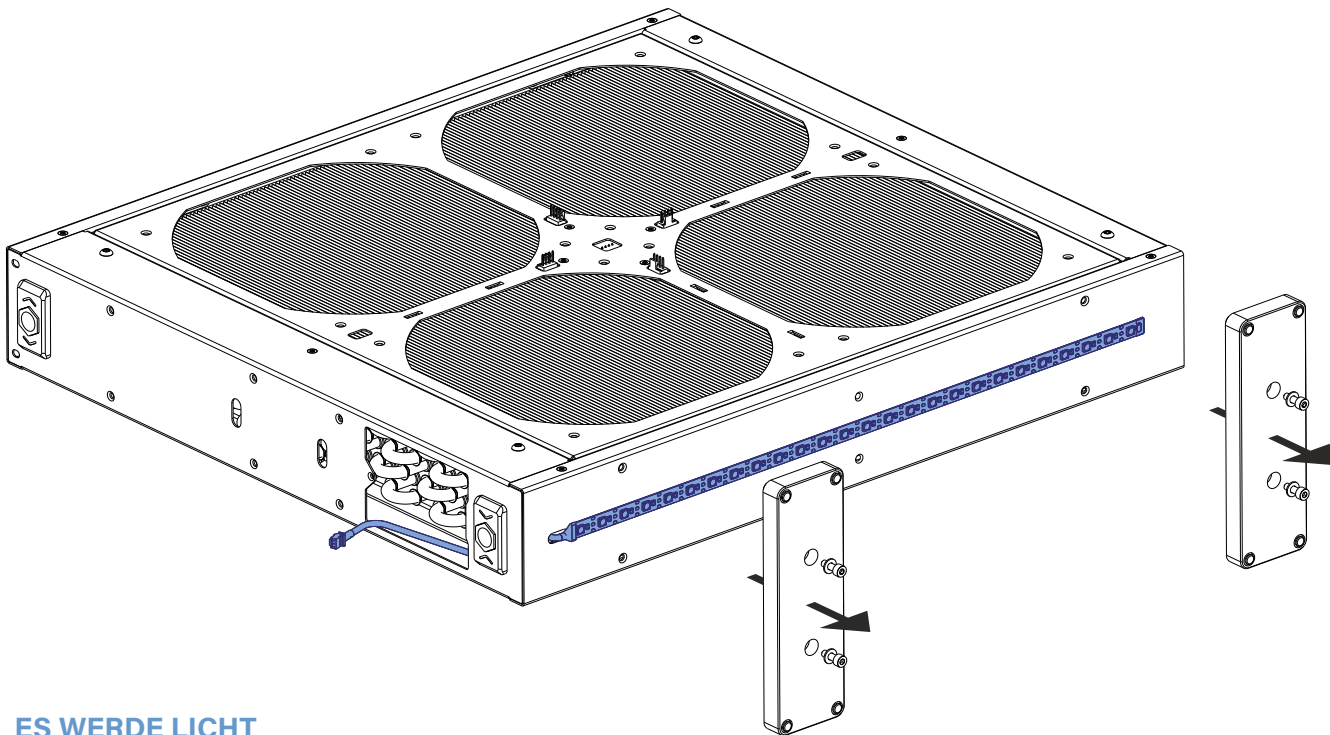
Wie das Kabel verlegt wird kann der oberen Abbildung entnommen werden.

7. AMBIENTE BELEUCHTUNG

Benötigte Werkzeuge



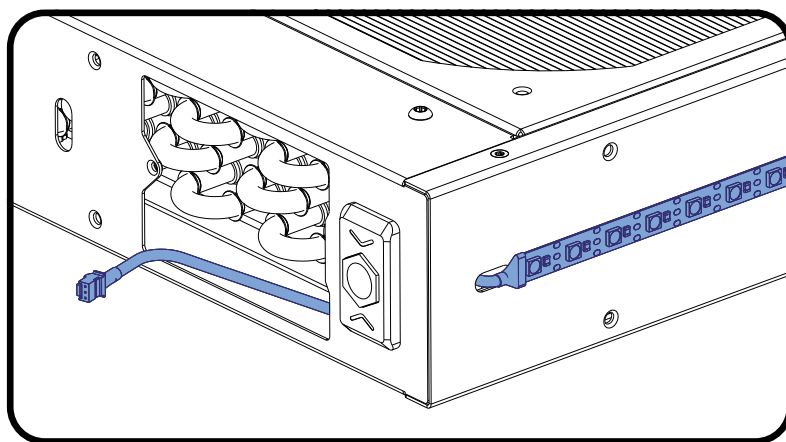
Torx TX20



ES WERDE LICHT

Zuerst müssen die Füße entfernt werden. Danach wird das Kabel des LED-Streifens von außen durch das Loch im Boden des Gehäuses geschoben und anschließend wie abgebildet auf der Rückseite wieder herausgeführt. Der Anschluss erfolgt entweder an MO-RA IV Aktive Control oder MO-RA IV Passive Control angeschlossen. Weitere Informationen zu diesen Produkten finden Sie in den jeweiligen Anleitungen.

Dann die Schutzfolie auf der Rückseite des LED-Streifens entfernen und den LED-Streifen möglichst mittig auf dem Gehäuseunterteil befestigen. Zum Schluss werden die Füße wieder montiert.



8. HEATKILLER TUBE ADAPTER

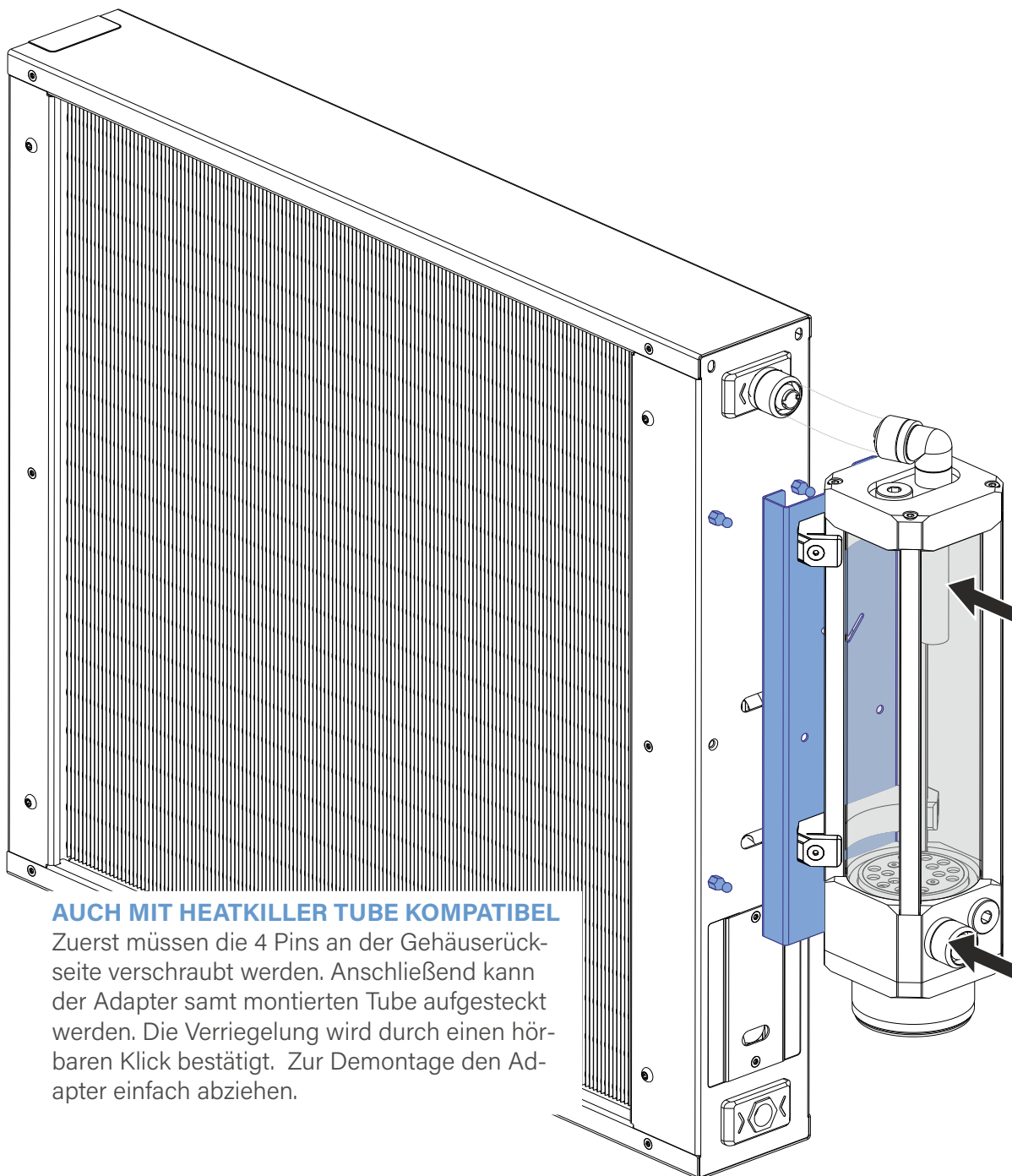
Benötigte Werkzeuge



MO-RA
TOOL

Montagematerial

4x

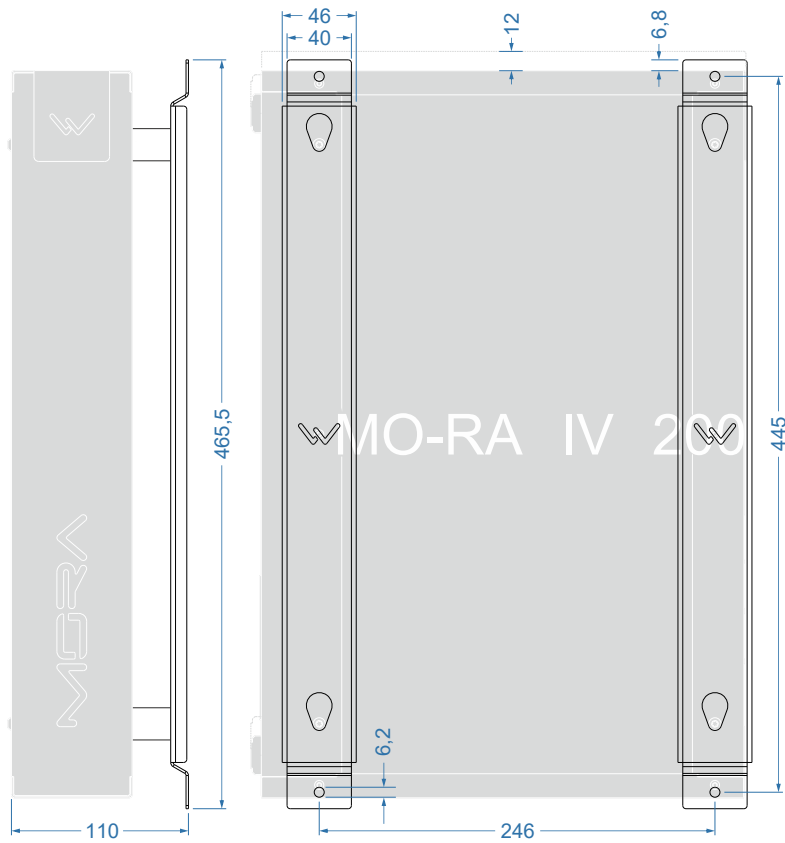


AUCH MIT HEATKILLER TUBE KOMPATIBEL

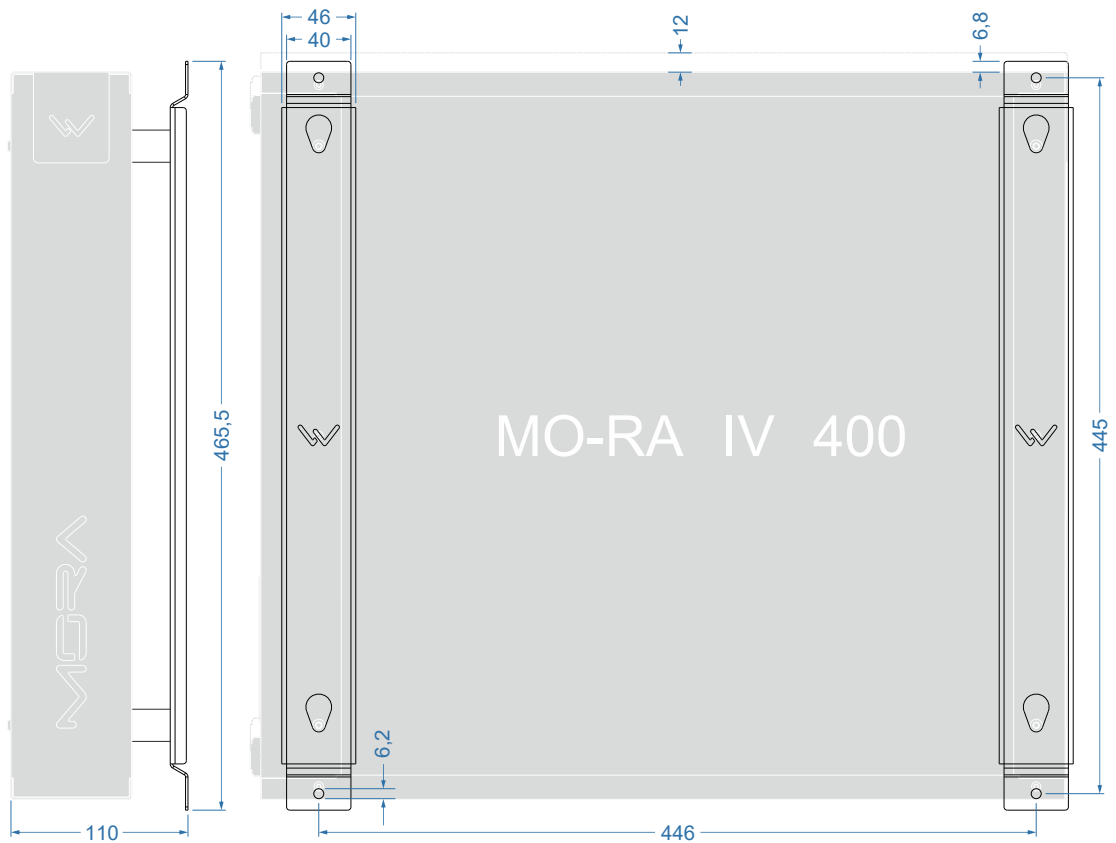
Zuerst müssen die 4 Pins an der Gehäuserückseite verschraubt werden. Anschließend kann der Adapter samt montierten Tube aufgesteckt werden. Die Verriegelung wird durch einen hörbaren Klick bestätigt. Zur Demontage den Adapter einfach abziehen.

9. HOLE SPACING / BOHRUNGSABSTÄNDE

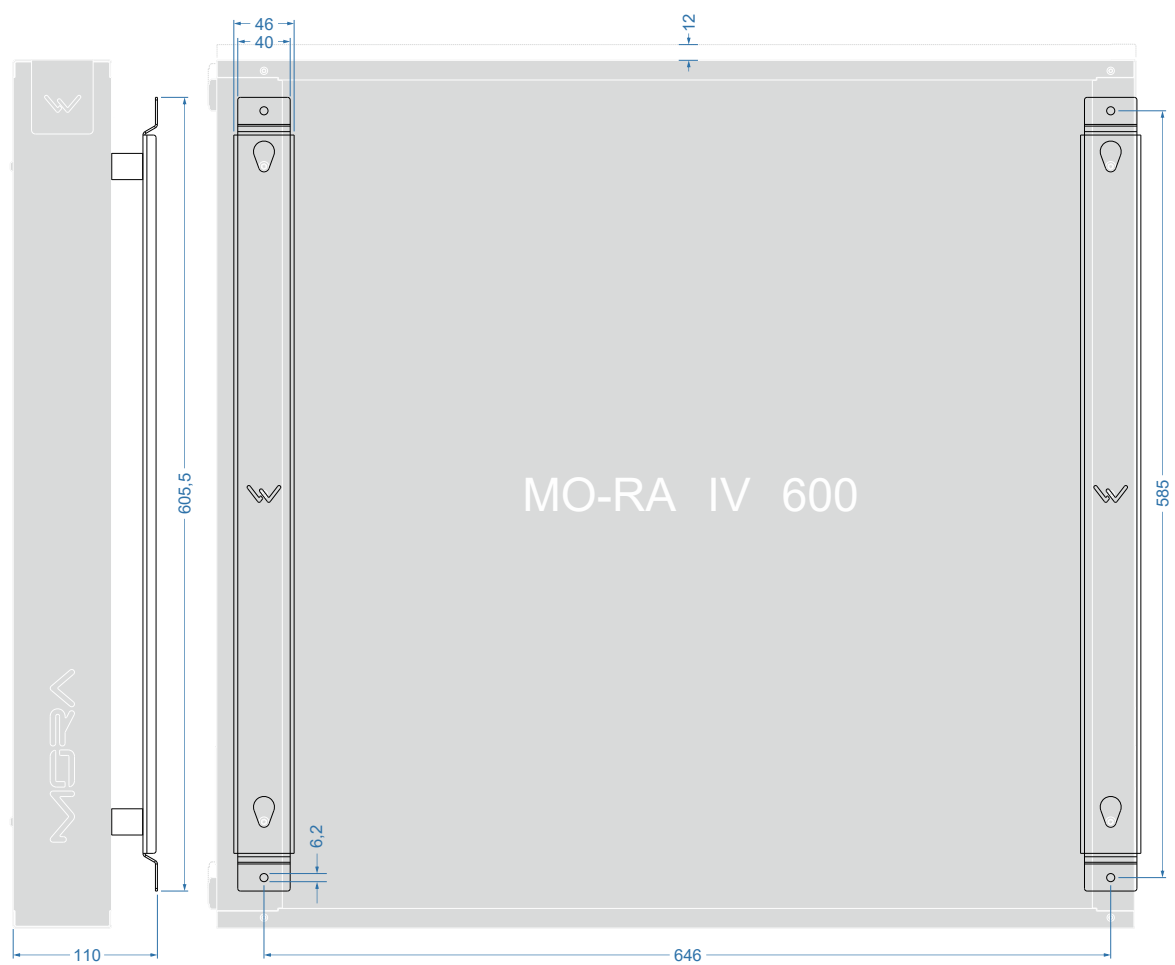
MO-RA IV 200



MO-RA IV 400

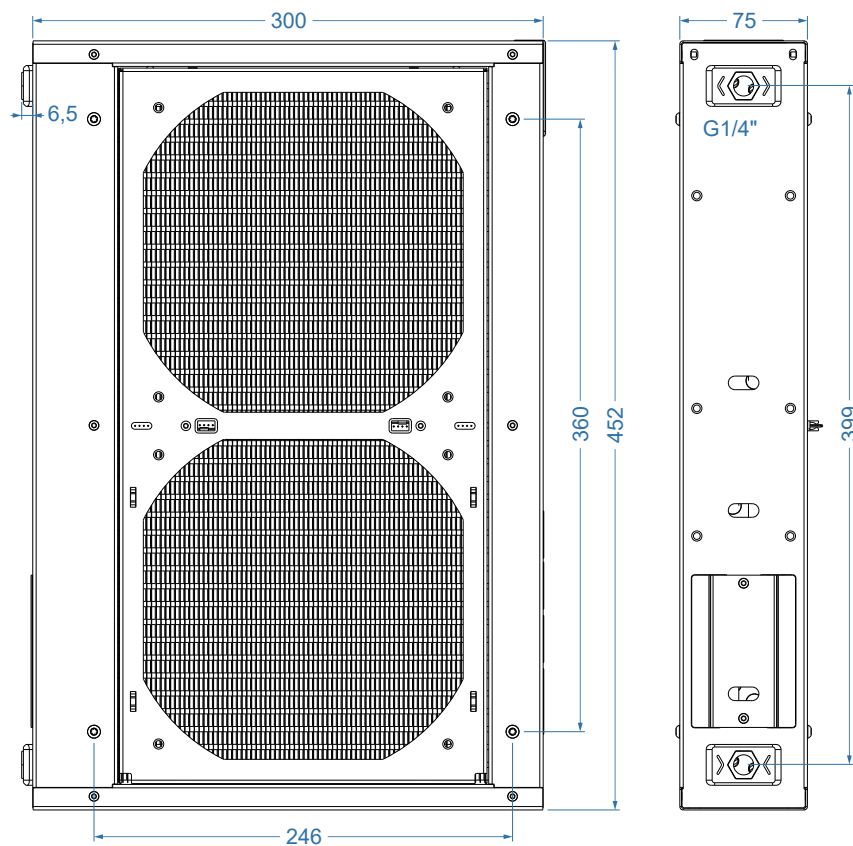


MO-RA IV 600

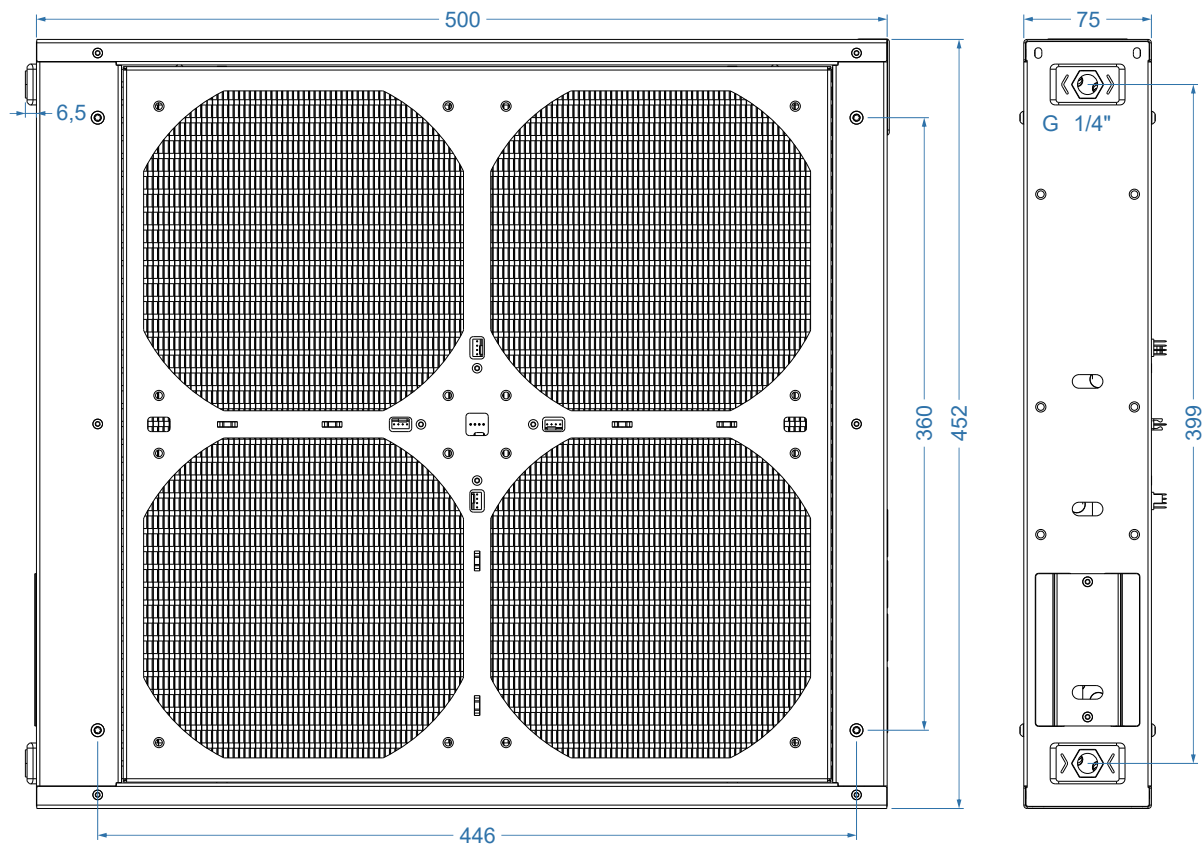


10. DIMENSIONS / ABMESSUNGEN

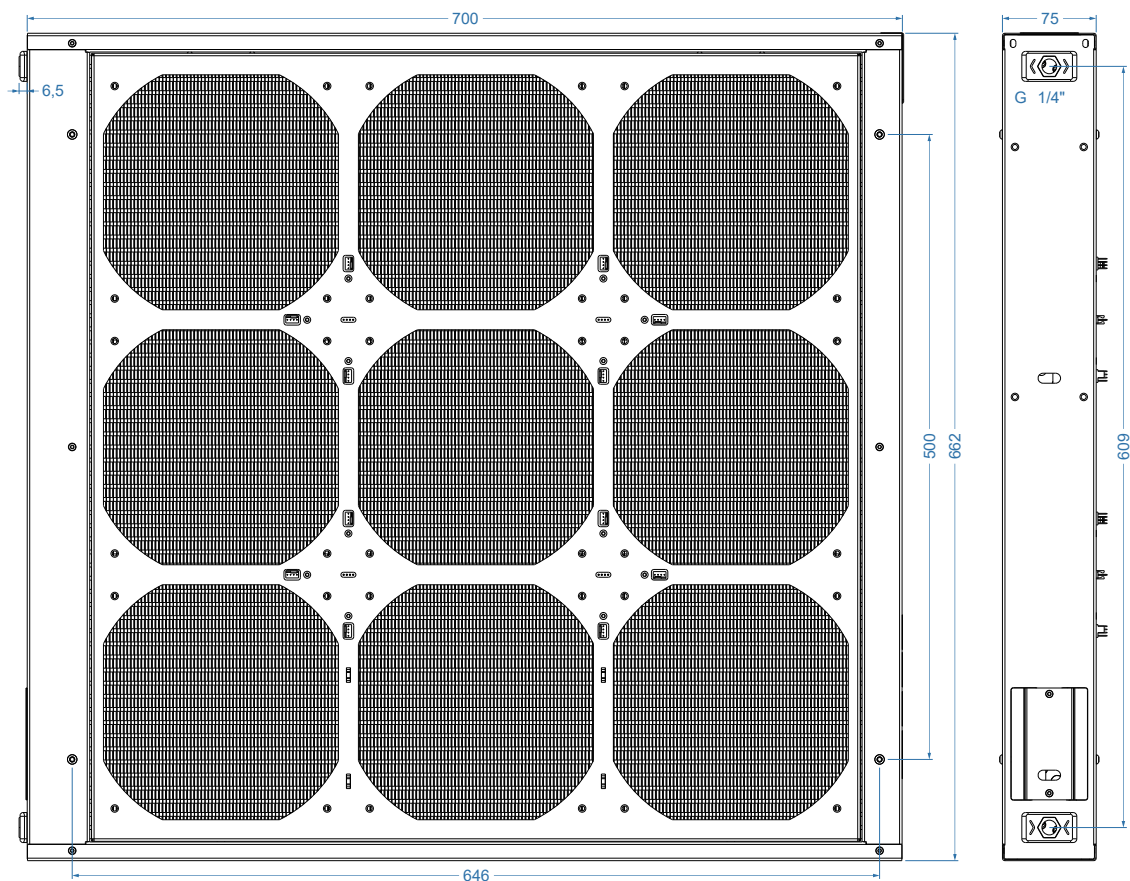
MO-RA IV 200



MO-RA IV 400



MO-RA IV 600



KONTAKT

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