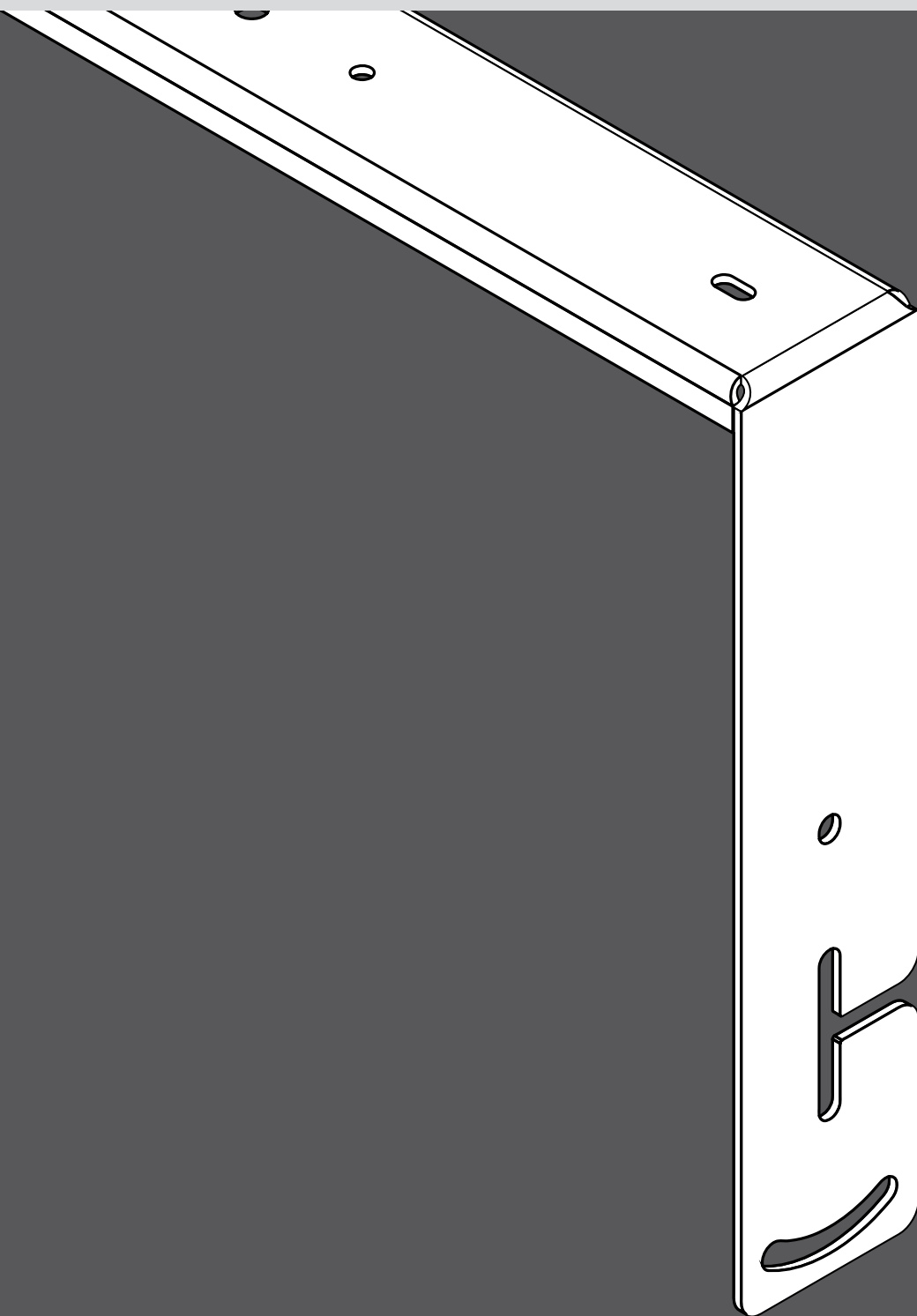


# Z

**Z5833**

**Mounting instructions 1.1 en**



## **Version 1.1:**

Preliminary edition.

### **General information**

Z5833 Mounting instructions

Version: 1.1 en, 09/2026, D2803.EN .01

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1.1 Intended use

The d&b Z5833 Bi12-SUB Horizontal bracket must only be used as described in these mounting instructions.

The bracket can be:

- directly mounted to ceilings.
- horizontally flown from overhead bars or trusses with a tube diameter ranging from 40 mm to 70 mm (1.5" to 2.75") using the Z5010 TV spigot with fixing plate in conjunction with the Z5012 Pipe clamp.

**Note:** For assembly and operation of these accessories, refer to the specific mounting instructions.

1.2 Scope of supply and weight

Please verify the shipment for completeness and proper condition of the items.

| Qty.       | d&b Code     | Description                            |
|------------|--------------|----------------------------------------|
| 1          | <b>Z5833</b> | Bi12-SUB Horizontal bracket <b>[1]</b> |
| Including: |              |                                        |
| 4          |              | Hex head bolt M10 x 25 <b>[2]</b>      |
| 4          |              | Spring washer M10 <b>[3]</b>           |
| 4          |              | U-washer 10.5 <b>[4]</b>               |
| 1          | D2803.EN .01 | Z5833 Mounting instructions            |

Weight ..... 4.5 kg (10 lb)

1.3 Safety precautions

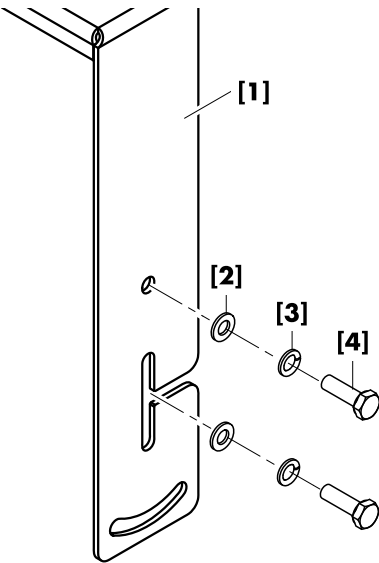
General safety

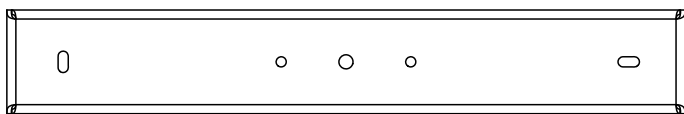
- Installation and setup should only be carried out by qualified and authorized personnel observing the valid national Rules for the Prevention of Accidents (RPA).
- It is the responsibility of the person installing the assembly to ensure that the suspension/fixing points are suitable for the intended use.
- Always carry out a visual and functional inspection of the items before use. In case there is any doubt as to the proper functioning and safety of the items, these must be withdrawn from use immediately.

Load safety information

The Bi12-SUB Horizontal bracket is designed to support a single Bi12-SUB loudspeaker.

No additional loads must be added.





## 1.4 Mounting options and angle settings

### Mounting holes - Tie bar

Mounting holes are provided on the tie bar of the bracket.

One slotted 9 mm (0.35") hole is provided at each end of the tie bar for fixing the bracket directly to walls or ceilings or other suitable surfaces.

Two 9 mm (0.35") holes at the d&b standard spacing of 115 mm (4.5") are provided to allow the attachment of the Z5010 TV spigot with fixing plate.

### Mounting holes and slots - Side legs

One 10.5 mm (0.41") hole [a], one slotted hole [b] and one semi-circular slot [c] are located on the side legs of the bracket.

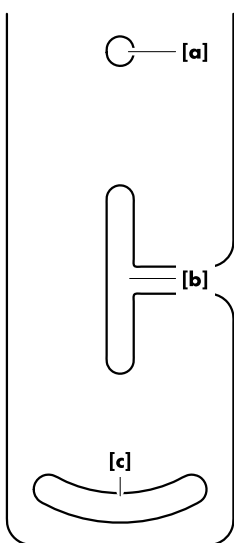
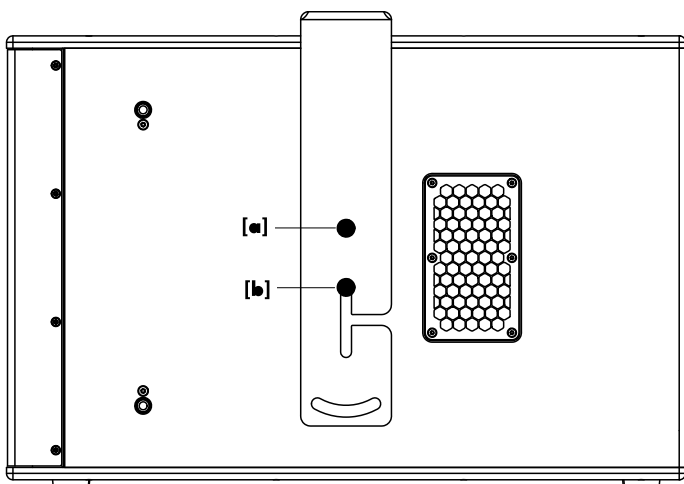
Using the M10 threaded inserts on the side panels of the cabinet, the bracket allows two mounting options.

#### Option 1

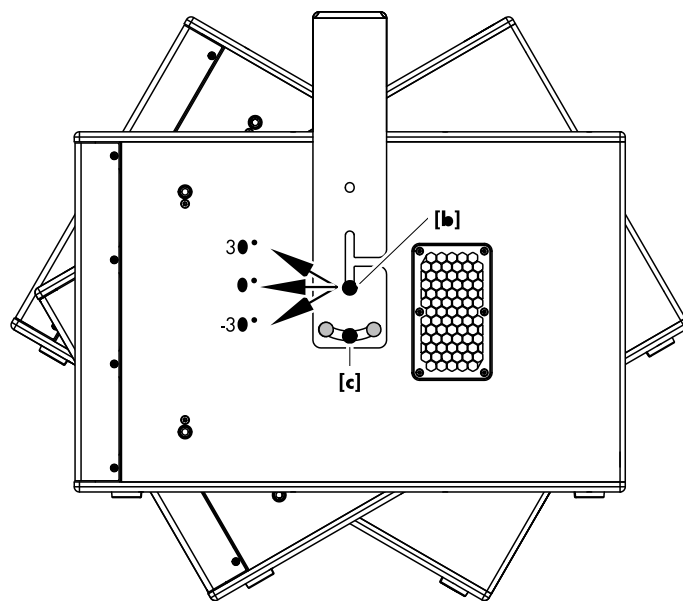
Attaching the bracket using hole [a] and the slotted hole [b] allows the cabinet to be mounted as close as possible to walls or ceilings at a fixed tilt angle of 0°.

#### Option 2

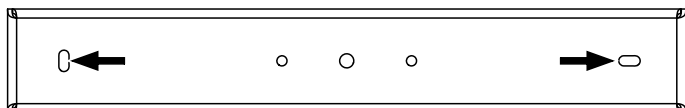
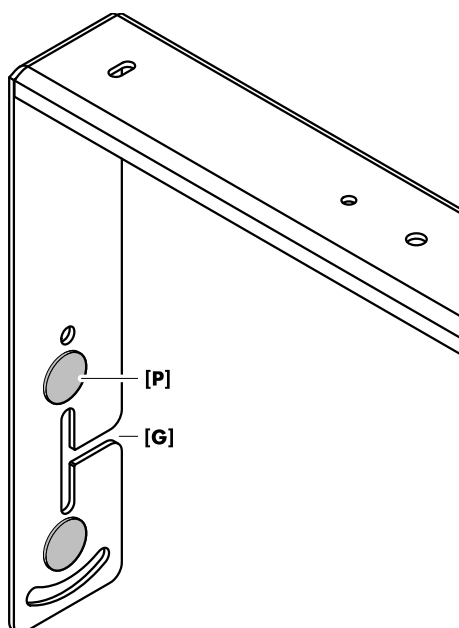
Attaching the bracket using the slotted hole [b] and the semi-circular slot [c] allows the cabinet to be mounted to walls or ceilings with a tilt angle in the range of 60° (±30°).



Option 1



Option 2



## 1.5 Assembly

### Attaching the bracket to ceilings

#### NOTICE!

Only use mounting parts (fixing anchors and screws) that are suitable for the intended application.

Observe the occurring **extraction force** of **460 N**, acting on the fixing anchors and screws.

To attach the bracket, use the holes shown in the graphic opposite to provide adequate support.

### Attaching the cabinet to the bracket

#### NOTICE!

Only use the supplied and specified screws **[4]**, otherwise there is a risk of damaging the threaded inserts **[1]**.

Always use the spring washers **[3]** and U-washers **[2]** to prevent the bolts from slackening.

#### Introductory remark(s)

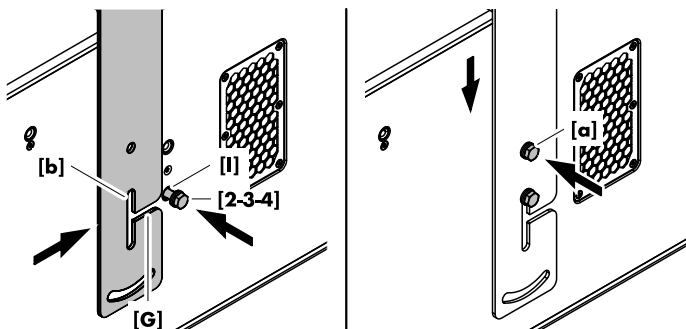
The inner sides of the bracket legs are covered by two protective pads **[P]** to prevent the cabinet coating from scratches during setup and alignment.

For a simplified and efficient setup, the bracket legs each provide a guiding slot **[G]** to slide the cabinet onto the bracket. However, setup should be carried out by two persons.

With the bracket already mounted to its operating position, proceed as follows:

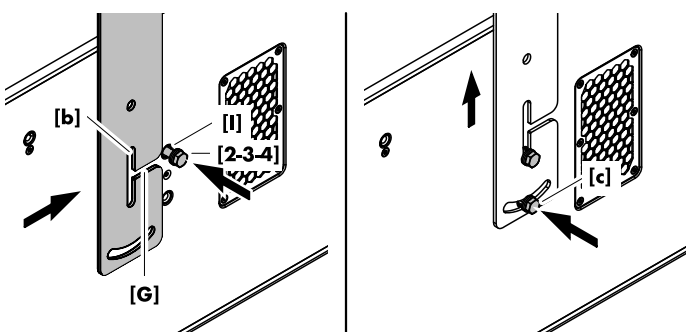
#### Tools required:

- Torque wrench (size #17)



### 1.5.1 Assembly - Option 1

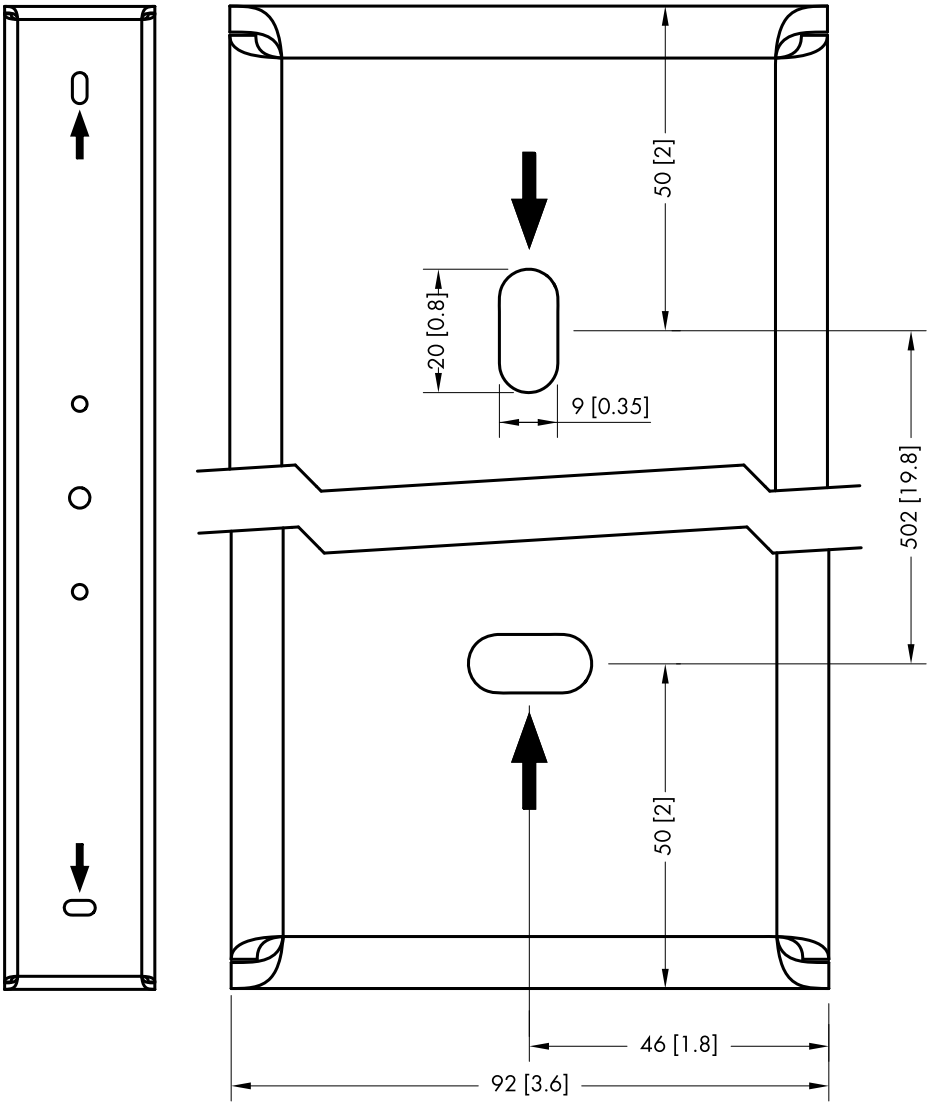
1. Attach one screw [4] together with the spring [3] and U-washer [2] to the bottom threaded insert [I] of the cabinet until the screw is inserted approx. half its length on both sides.
2. Attach the cabinet to the guiding slot [G] of the bracket legs on both sides until it fits into the center elongated hole [b] of the bracket legs.
3. Lower the bracket and align the upper hole [a] of the bracket leg with the upper threaded insert of the cabinet.
4. Insert the second screw [4] together with the spring [3] and U-washer [2] on both sides.
5. Finally tighten all screws to a maximum torque of 25 N·m.



### 1.5.2 Assembly - Option 2

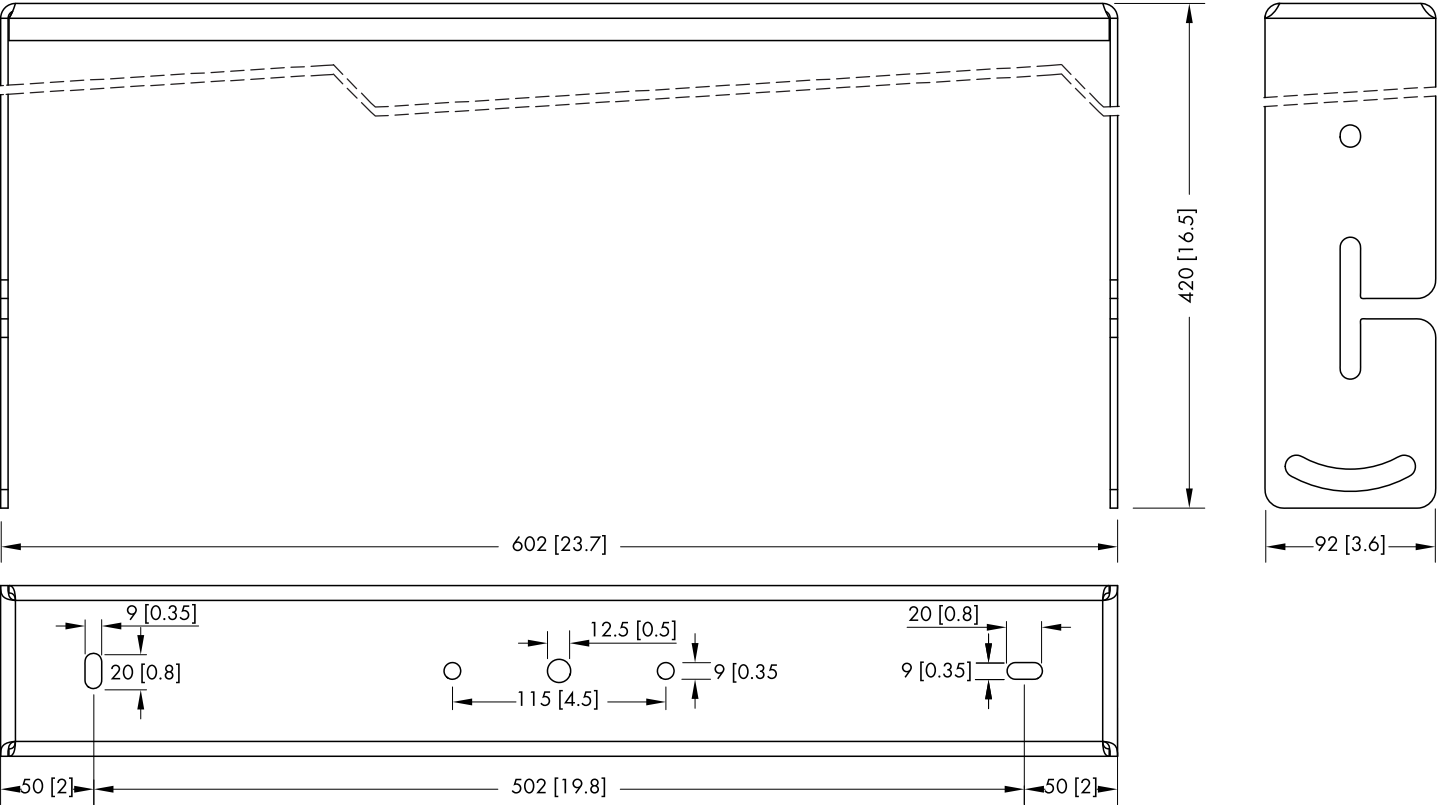
1. Attach one screw [4] together with the spring [3] and U-washer [2] to the upper threaded insert [I] of the cabinet until the screw is inserted approx. half its length on both sides.
2. Attach the cabinet to the guiding slot [G] of the bracket legs on both sides until it fits to the center elongated hole [b] of the bracket legs.
3. Lift the bracket and align the bottom circular hole [c] of the bracket leg with the bottom threaded insert of the cabinet.
4. Insert the second screw [4] together with the spring [3] and U-washer [2] on both sides.
5. Slightly pre-tighten the upper screw on both sides to allow the cabinet still to be aligned.
6. Set the desired vertical tilt angle.
7. Finally tighten all screws to a maximum torque of 25 N·m.

2 Fixing template



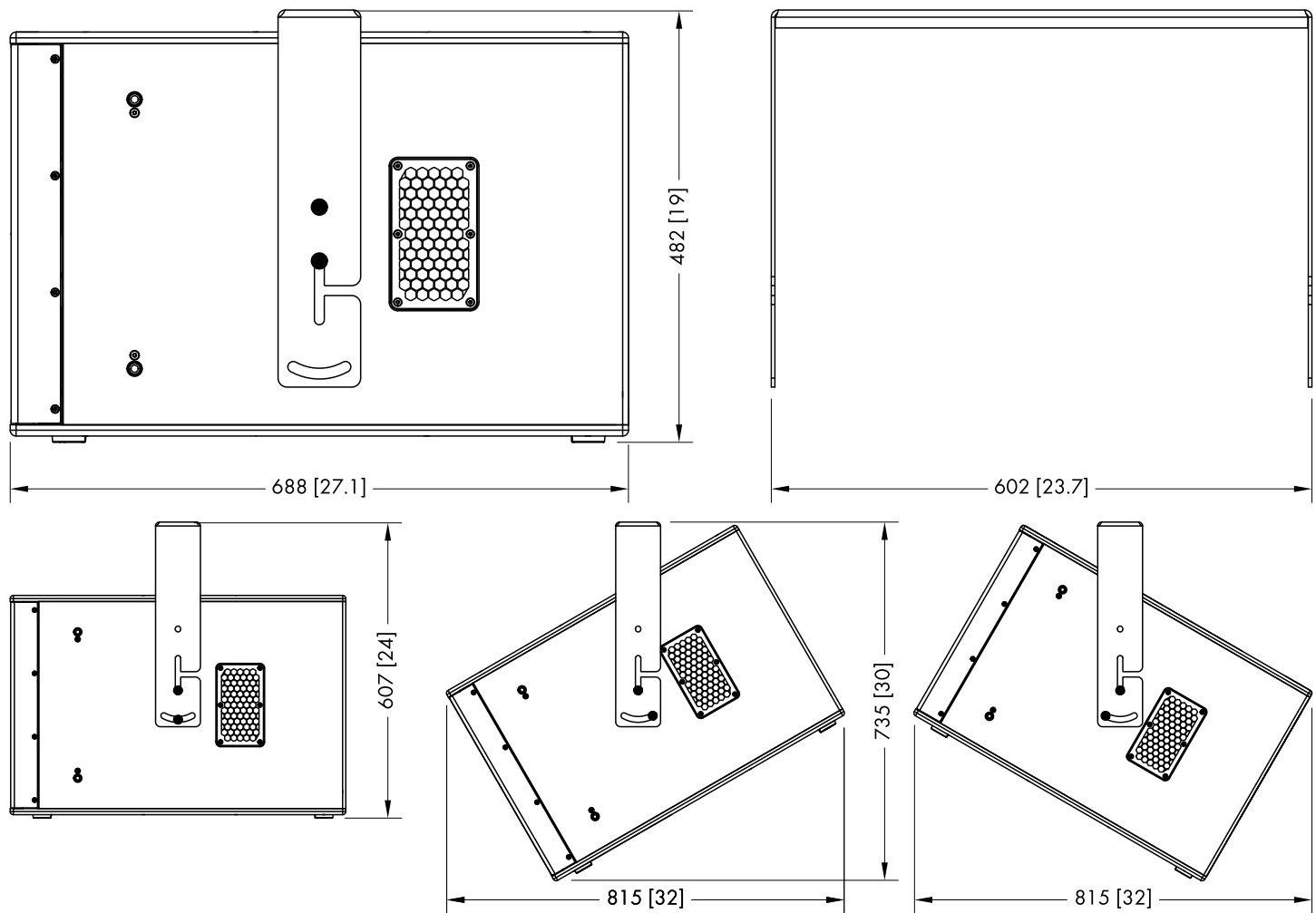
Z5833 Fixing template dimension in mm [inch]

3 Dimensions



Z5833 Dimensions in mm [inch]

**3.1 Built-in dimensions**



**Z5833 Built-in dimensions in mm [inch]**



### 4.1 EU conformity (CE symbol)

This declaration applies to:

#### **d&b Z5833 Bi12-SUB Horizontal bracket**

by d&b audiotechnik GmbH & Co. KG.

All product variants are included, provided they correspond to the original technical version and have not been subject to any later design or electromechanical modifications.

We herewith declare that said products are in conformity with the provisions of the respective EC directives including all applicable amendments.

A detailed declaration is available on request and can be ordered from d&b or downloaded from the d&b website at [www.dbaudio.com](http://www.dbaudio.com).



### 4.2 Disposal

When out of use, the rigging components must be disposed of in accordance with the national environmental regulations.

Ensure that damaged rigging components are disposed of in a way that they cannot be used again.

**WEEE-Reg.-Nr. DE: 13421928**



