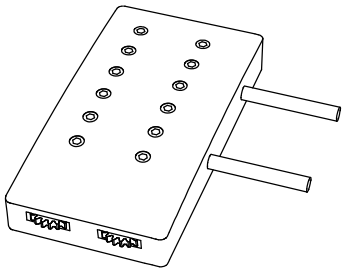
Jaén Floating Pickup / ZMDxxx

- Ebony Case
- High Inductance
- Integrated Volume and Tone Pots
- Slim Design



DESCRIPTION

This high inductance (around 4.9H) floating pickup has been designed for archtop guitars with a fretboard elevated above the top, having what is known as a *neck extension*. It has been made to be attached to the end of the neck, using two aluminum mounting posts that protrude from its side. It has volume and tone pots integrated, so a finger rest (also known as pickguard) is not necessary.

The polepieces are in a double row configuration. They can be adjusted with an Allen wrench (included), which allows to adapt the output of each individual string for each individual coil. The two rows are useful for equalizing bronze strings, as the wound/plain string outputs differ so much that single rows are not enough to compensate.

The main measurements are shown below:

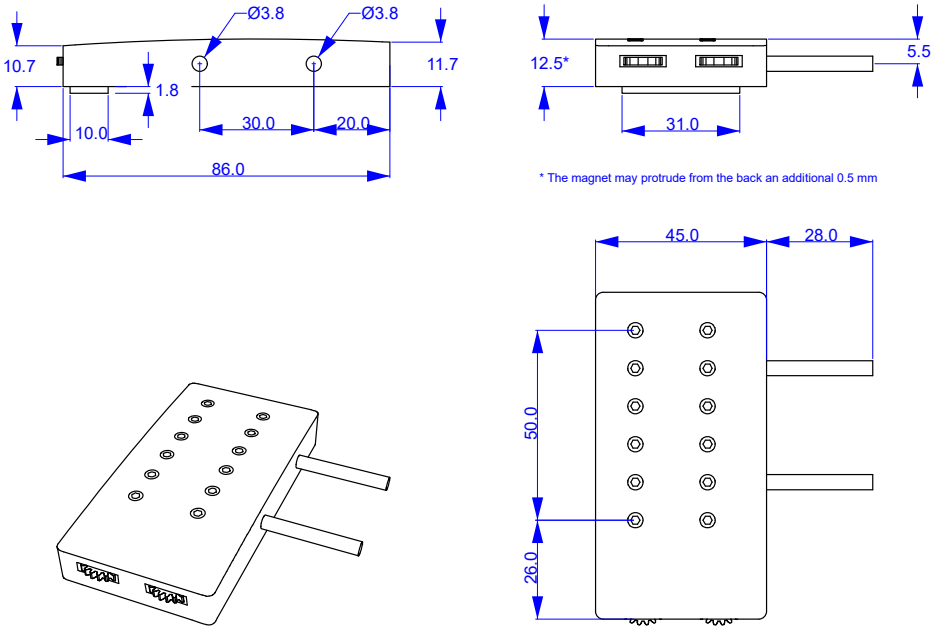


Figure 1 - Pickup dimensions (millimeters)

INSTALLATION

< Important: Only a reputable technician should install this pickup >

Previous checks:

- The dimensions of the pickup (see Figure 1 above) must be compatible with the instrument. Check mainly the string spread and the available space between the pickup and the guitar top. For the latter, take into account that the center of the pickup in its final position will be around 1 mm below the surface of the fretboard (Figure 2). Also, notice that the pots protrude around 1.8 mm from the back (this is shown in Figure 1 also). This occurs near the end of the pickup case, where the space is larger due to the arching of the top, but you must check it anyway.

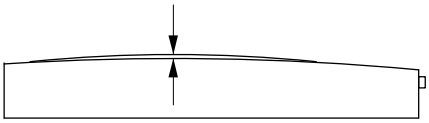


Figure 2 - The pickup and fretboard top surfaces after installation, as seen from the bridge

There must be sufficient clearance beneath the pickup for the connection cable. The back of the pickup features three sets of PCB pads (Figure 3); use any of them for the connection. The outer pads are usually advantageous, as there the guitar's curved surface provides more space for the cable.

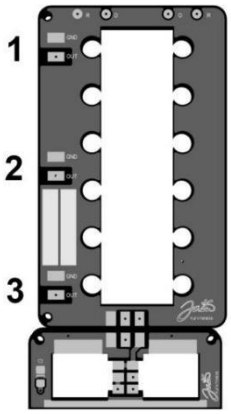


Figure 3 - The back of the pickup has three sets of output pads available

- Make sure that the end of the neck is solid enough to withstand drilling and, subsequently, the loads on the pickup while in use.
- Before drilling, verify that the included drilling jig matches the specific radius of your guitar's fretboard. A proper fit against the fretboard curvature is essential for accurate alignment. If needed, alternative jigs for different fretboard radii are available upon request.

Installation Guidelines:

- WARNING: Always use the drilling jig. End grain wood does not guide the drill bit properly, which can easily cause the bit to wander, resulting in misaligned and oversized holes.
- Ensure the drilling jig is perfectly centered at the end of the neck and securely locked in place with a suitable clamp before drilling.
- For optimal stability, drill one of the holes using the supplied 4 mm drill bit and immediately insert the provided 4 mm alignment rod (made of brass). This locks the jig in place before you proceed to drill the second hole.
- Once the holes are drilled, insert the pickup mounting posts into them. Notice (see Figure 1) that the diameter of the posts (3.8 mm) is a little smaller than the diameter of the holes (4 mm), so they will fit loosely. To ensure a tight fit and prevent the pickup from pulling out easily, use the included plastic material alongside the posts before pushing them into the holes.
- The kit also includes a small metal eyelet, which can be glued into a hole drilled in the guitar top. The connection cable will pass through this piece toward the output jack.

CONTACT

Guitarras Jaén (Fernando Jaén) - Carretera de Pozorrubio, 92 - 16410 Horcajo de Santiago - Spain

Phone: +34 620791064

www.guitarrasjaen.com

jaen@guitarrasjaen.com