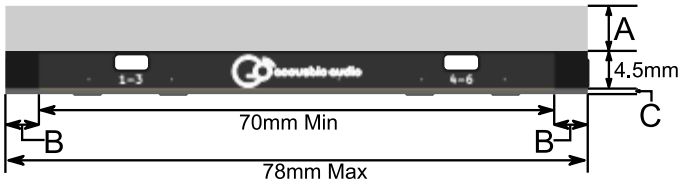
Go Acoustic Audio
Saddle-Pickup Dimension Worksheet

The Go Acoustic Audio Saddle-Pickup is a revolutionary new patent-pending design that contains individual transducers for each string embedded inside the saddle itself. Because of this, there are certain minimum size requirements for the Saddle-Pickup.

This worksheet will tell you if the Saddle-Pickup will fit your guitar and if the saddle slot will need to be routed deeper to make it fit. If the slot does not need to be routed, then you can simply copy the dimensions of the existing saddle (and pickup if present). If the slot needs to be routed deeper, then the worksheet will help you calculate the new dimensions. In either case, the Saddle-Pickup Summary Table will give you the Saddle-Pickup dimensions that will result in the same action height as the original saddle. You can order a Saddle-Pickup pre-shaped to your dimensions. This will greatly simplify the Saddle-Pickup installation.

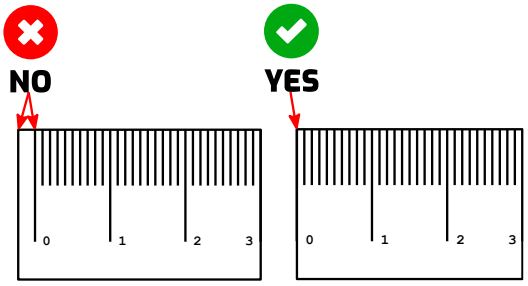
Minimum Saddle-Pickup Dimensions



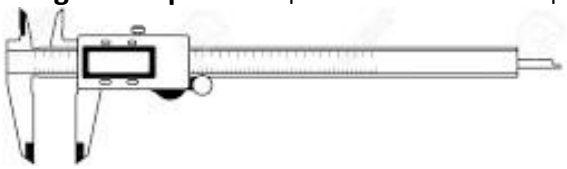
Saddle-Pickup Height - Max 11.5mm, Min 7mm
Saddle-Pickup Length - Max 78mm, Min 70mm
A: Shapable String Rest Height - Max 6mm, Min 1.5mm
B: Shapable End margins - Max 4mm removable material on each end
C: Sandable Bottom Margin - 1mm, Do not remove during installation

Required Tools

- **Ruler** – **DO NOT** use a drafting ruler where 0mm is inset from the end of the ruler. Make sure 0mm is at the physical end of the ruler.



- **Digital Caliper** – Inexpensive versions can be purchased online or at a hardware store.



Notes:

1. Place the ruler so that the long side is against the bridge.
2. Use digital calipers for the best accuracy. Measure to two decimal places.
3. Use the wide part of the digital caliper jaws, and make sure you do not compress the transducer.
4. Use the string wear notches to find the location of each string on the saddle.
5. If line 5 is greater than 78mm, the saddle will still work. It will just be visually shorter than the original saddle. If this is acceptable proceed to line 7.

Customer: _____ Instrument: _____

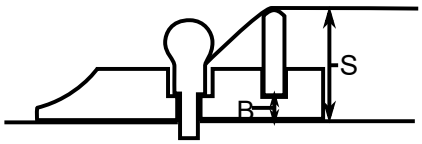


Fig. 1

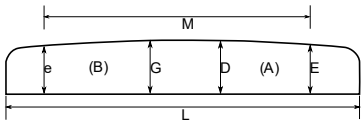


Fig.2

	Instruction	Result (mm)	
1.	Measure the height of the high E string from the top of the guitar with a ruler (Fig. 1, Dim. S). See Note 1.		1.
2.	Measure the distance between the centerline of the outside strings with a ruler (Fig. 2, Dim. M).		2.
3.	If line 2 is less than 53.5mm or greater than 57.5mm, go to line 25. Otherwise, go to line 4.		3.
4.	Remove the strings, saddle, and under-saddle transducer if present.		4.
5.	Measure the thickness of the existing pickup if present. If one is not present enter 0. See Notes 2 and 3.		5.
6.	Measure the length of the saddle (Fig. 2, Dim. L).		6.
7.	If line 6 is less than 70mm or greater than 78mm, go to line 24. Otherwise, go to line 8. See Note 5.		7.
8.	Measure the saddle height at the low E string (Fig.2, Dim. E). See Note 4.		8.
9.	Measure the saddle height at the D string (Fig.2, Dim. D).		9.
10.	Measure the saddle height at the G string (Fig.2, Dim. G).		10.
11.	Measure the saddle height at the high E string (Fig.2, Dim. e).		11.
12.	Enter the value of line 5 plus line 11.		12.
13.	If line 1 is greater than 8mm, and line 12 is greater than 7mm, go to line 20. Otherwise, go to line 14.		13.
14.	If line 1 is greater than 7mm and line 12 is greater than 6mm, go to line 21 Otherwise, go to line 15.		14.
15.	Enter the value of line 1 minus line 11.		15.
16.	Enter the value of line 15 minus 1mm.		16.
17.	Enter the value of line 11 plus line 16.		17.
18.	If line 17 is greater than 7mm, go to line 22. Otherwise, go to line 19.		18.
19.	If line 17 is greater than 6mm, go to line 23. Otherwise, go to line 24.		19.
20.	The Saddle-Pickup will fit without any modifications to the guitar bridge. **Enter "A" on line A of the Saddle-Pickup Summary Table.**		20.
21.	The low-profile version of the Saddle-Pickup will fit without any modifications to the guitar bridge. **Enter "B" on line A of the Saddle-Pickup Summary Table**		21.
22.	The Saddle-Pickup will fit if the saddle slot is routed so that Fig. 1, Dim. B is 1mm. **Enter "C" on line A of the Saddle-Pickup Summary Table.**		22.
23.	The low-profile version of the Saddle-Pickup will fit if the saddle slot is routed so that Fig. 1, Dim. B is 1mm. **Enter "D" on line A of the Saddle-Pickup Summary Table.**		23.
24.	The Saddle-Pickup will not fit on this guitar.		24.
25.	The string spacing is not ideal, but the Saddle-Pickup may still work. Contact us for details.		25.

Saddle-Pickup Summary Table

	Instruction		Result	
A.	**Saddle-Pickup Option**			A.
B.	**Slot routing depth.**	If line A is either "C" or "D" enter the value of line 15. Otherwise, enter 0.		B.
C.	**String Spacing.**	Enter the value of line2.		C.
D.	**Saddle Length.**	Enter the value of line 5.		D.
E.	**Low E string height.**	Enter the value of line 4 plus line 7.		E.
F.	**D string height.**	Enter the value of line 4 plus line 8.		F.
G.	**G string height.**	Enter the value of line 4 plus line 9.		G.
H.	**High E string height.**	Enter the value of line 4 plus line 10.		H.