# Instrument Bridge Width Specifications



## Overview

Use the information on the yardstick pictures below to determine which size of instrument the student will most likely need. If the student is measuring between sizes, choose the smaller size for their comfort.

## Key Takeaways

Bridge dimensions vary by instrument, but typical ranges are: classical guitar length 60–65 mm, width 10–12 mm; violin width 41. 5 mm; mandolin bridges vary with top curvature and string spacing.

### Classical Guitar Bridges

For classical guitars, the overall bridge length is usually 60–65 mm, with a saddle width of 10–12 mm. The height from the soundboard to the top surface is typically 8–10 mm, and string spacing (center-to-center) ranges from 52–55 mm across six strings. These dimensions ensure proper vibration transfer, balanced string tension, and optimal tonal response.

### Violin Bridges

Violin bridges are generally carved from a 41. 5 mm wide blank for a full-size (4/4) instrument. The feet thickness is carefully shaped to about 4.

7 mm at the base to match the arching of the top plate. The bridge must be light enough to transmit vibrations efficiently while strong enough to withstand string tension.

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### Mandolin Bridges

Mandolin bridges are more variable due to floating designs and domed tops. Length, width, saddle length, and string spread must be measured carefully to fit the instrument. Heights vary depending on the top curvature, and bridges can be made from bone or brass saddles.

Proper fitting ensures correct string action and vibration transfer.

### Key Considerations

Instrument type determines bridge dimensions and materials. String spacing and saddle width affect tension distribution and tone. Height and foot contouring are critical for proper contact with the soundboard.

Custom fitting may be required for floating bridges or instruments with non-standard top curvature. Accurate measurement and careful shaping of the bridge are essential for maintaining sound quality, playability, and structural integrity of the instrument.

## Article Content

Useful Measurements

Use the information on the yardstick pictures below to determine which size of instrument the student will most likely need. If the student is measuring between sizes, choose the smaller size for their comfort.

Cello Size and Dimension Guide | PDF | Cello | Musical Instruments

This document provides specifications for cellos of various sizes from 4/4 down to 1/8. It includes dimensions for the body, neck, fingerboard, bridge, and other components. Measurements are given

Violin Measurement Specifications Guide | PDF | Double Bass

This document provides measurements in millimeters for standard sized violins, violas, cellos, and basses. It includes measurements of body length, neck length, fingerboard dimensions, string

The violin making manual

The bridge, made of maple, serves the purpose of upholding the strings and transmitting the vibrations from the strings to the body of the violin. As such it must be both robust enough to withstand the

FITTING A FINE BRIDGE TO A PROFESSIONAL QUALITY

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A sample bridge template is made "by the numbers" so to speak and will allow us to get some preliminary indications of how our blank will relate to the unique dimensions of the instrument at hand.

Bridge (instrument)

A bridge is a device that supports the strings on a stringed musical instrument and transmits the vibration of those strings to another structural component of the

Useful Measurements

Bridge Placement Although the notches in the f-holes can be a good general suggestion for bridge placement, they aren''t always the best location on every

What are the dimensions and specifications of steel instrument

The dimensions of steel instrument cabinets include three specifications: height, width and depth. In addition to the conventional dimensions, they can also be customized according to actual

Amendment-Sheet

Taxiway width 1.2.7 Minimum taxiway widths are shown in Table 1-1. The values selected for the minimum taxiway widths are based on adding clearance distance from wheel to pavement edge to

AC 150/5300-13B, Airport Design, March 31, 2022 Consolidated to

An instrument flight procedure is a series of predetermined maneuvers for aircraft operating under instrument flight rules, e.g., instrument flight rules (IFR) conditions, when visual flight is not possible

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Contents.PDF

The Wheatstone Bridge was an early example of a “ratiometric” measurement. Ironically, pioneer physicists were not inconvenienced by the presence of common mode voltage on the bridge. The

Bridge (instrument)

Bridge pins or string pegs are used on some musical instruments to locate the string precisely in the horizontal plane, and in the case of harpsichords to affect the

Bridge-Type Sensor Measurements are Enhanced by Autozeroed

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The bridge is excited by a constant voltage or current, producing an electrical signal. In one form of gauge-pressure sensor technology, the strain-gage elements are bonded to a metal diaphragm and

Bridge Welding Reference Manual

The reference manual explains welding specifications governing highway structures, namely the AASHTO/AWS D1.5/D1.5M “Bridge Welding Code” (AASHTO/AWS, 2015) and the AWS D1.1/D1.1M

Double Bass Size Specifications Guide

This document is a specification sheet created by luthier Alan Goldblatt that provides size specifications for basses in different sizes (4/4, 3/4, 1/2, 1/4). It includes measurements for the body, neck,

L Series

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Cello Specifications

4/4 Cello Spec Materials Back, ribs & neck Maple Belly Spruce End blocks Spruce Corner blocks Willow Linings Willow Fingerboard, nut, saddle Ebony Pegs Ebony Body Upper bout width 344mm Lower

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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