

132 beam splitter dimensions



Article Overview

A "132 beam splitter" likely refers to a standard optical component, which typically ranges from a few millimeters to several centimeters in size, depending on type and application.

Typical Dimensions

Beam splitters come in several forms—plate, cube, pellicle, or prism—and their size depends on the intended optical system:

- Plate beam splitters: Usually rectangular or square, with common sizes ranging from 10 mm × 10 mm up to 50 mm × 50 mm, and thicknesses from 1 mm to 10 mm depending on substrate and coating requirements .
- Cube beam splitters: Typically 10 mm to 25 mm per side, with the cube formed by two triangular prisms glued together .
- Pellicle beam splitters: Extremely thin membranes, often 0.1 mm thick, with widths from 10 mm to 50 mm, designed to minimize optical path distortion .
- Prism or Wollaston beam splitters: Dimensions vary widely, often 10 mm to 30 mm in base length, depending on birefringent material and angular separation requirements .

Factors Affecting Size

- Wavelength range: UV, visible, or IR coatings may require thicker substrates or larger surface areas to reduce absorption and maintain flatness .
- Beam diameter: Larger input beams require larger splitter surfaces to avoid clipping or diffraction effects

Article Content

Plate Beamsplitters

Plate Beamsplitters used to prevent unwanted ghost reflections in a variety of optical systems are available in many beamsplitting

Thorlabs · Optical Beamsplitters

Thorlabs offers a wide range of optical beamsplitters. Our plate beamsplitters have a coated front surface that determines the beam

Photonics 101

As the name suggests, a beam splitter refers to an optical device which is used to split or divide a beam of light into

W21x132 Dimensions | Beam Dimensions

W21x132 section dimensions and properties. The steel beam dimensions for the W21x132 section can be seen in the table. The

Beamsplitters

Beam splitters separate a beam of light by wavelength, power, or polarization into two orthogonal beams. The properties of the

W14x132 Steel Beam Dimensions, Weight & Properties

W14x132 steel beam per AISC 360-16. Depth 373.4 mm, weight 196.5 kg/m. Wide flange section for structural steel design in

Beam Splitters

When working with lasers, it is often necessary to split a laser beam into two or more defined partial beams. There are a variety of

Beamsplitters Product Overview

Due to the (reasonably symmetrical) curvature of the beam splitter, a focus is created so that a collimated beam has a focal point.

PLC Splitter, Fiber Splitters, Always Ready for PON & FTTX

FS PLC Fiber Optic Splitters, Bare/Blockless/ABS/LGX Splitter/Rack Mount Types, support 1xN light distribution, with low IL and PDL

Optical Beamsplitters | Beamsplitter Selection | Edmund Optics

Beamsplitters are optical components used to split input light into two separate parts. Beamsplitters are common components in

W30x132 Dimensions | Beam Dimensions

The steel beam dimensions for the W30x132 section can be seen in the table. The depth of the section is 30.3 in. The width of the

Beam Splitter Selection Guide

Our beam splitters are made from high grade glass material with laser grade surface flatness & surface quality for tighter tolerance

Optical Beamsplitter

A beamsplitter is an optical component used to split a beam of incident light into two parts in a laser or illumination system. Cube

Optical Beamsplitters Explained | Cube & Polarizing Types

A beam splitter, or beamsplitter, is an optical component used to divide incident light into two separate beams based on wavelength,

Beam splitter

A beam splitter or beamsplitter is an optical device that splits a beam of light into a transmitted and a

Beamsplitters | Optics | DigiKey

Beamsplitters Beamsplitters (Beam Splitters) are components that split light at a specified point. These are used in various optic

Beamsplitter Family PDF Asset Page | Keysight

Keysight's family of precision beamsplitters split light by polarization, amplitude, or wavelength. They are available in cube, plate, and

Beam Splitters

Beam splitter cubes can be used for simple light beams, and also for beams carrying images, e.g. in various types of cameras and

Plate and Laser Beamsplitters | Edmund Optics

Plate Beamsplitters designed for imaging, industrial, or life science applications are available at Edmund

W 21x132 | AISC 13 | Cross-Section Properties & Analysis

The stand - alone program SHAPE-MASSIVE determines section properties of any thick - walled cross - section and calculates the

What are Beamsplitters?

Optical components that create two beams by splitting incident light are beamsplitters. Read more about the different types of

Contact Us

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