

Caliper Bridge



Article Overview

A caliper bridge is a component that connects or stabilizes the halves of a brake caliper, ensuring proper alignment and preventing spreading, which improves braking performance.

Definition and Function

A caliper bridge is a structural piece used in both automotive and bicycle braking systems. In disc brakes, it ties the caliper halves together, preventing them from spreading apart under braking pressure, which ensures consistent pad contact with the rotor and improves braking efficiency and safety. In rim brakes, particularly on bicycles, the caliper bridge refers to the mounting point on the frame or fork where the caliper attaches, often influencing the brake's reach and compatibility with different tire widths.

Types and Applications

- **Automotive Caliper Bridges:** These are often part of a bridge kit that includes bolts and spacers to adjust caliper width for different rotor sizes. They can replace stock components like cotter pins and provide added stability to prevent pad loss or caliper flex.
- **Bicycle Caliper Bridges:** There are two common types:
 - **Recessed nut type:** The brake bolt does not pass completely through the bridge; a long nut is inserted from the opposite side to secure the caliper.
 - **Non-recessed nut type:** The bolt passes directly through the bridge, securing the caliper in place.

Importance

Article Content

Wilwood Caliper Bridge Spacers 300-4914

Free Shipping - Wilwood Caliper Bridge Spacers with qualifying orders of \$125. Shop Brake Caliper Replacement Components at

Wilwood Disc Brakes

Wilwood's Caliper Bridge Bolt kits contain bridge bolt (s), spacer tube (s) and associated hardware for specific Wilwood calipers.

Baer Brakes XTR Caliper Bridge Assembly

Manufactured From 6061 Billet Aluminum, This Bolt-in Bridge Provides Additional Stability to the Already Robust XTR Caliper, While

Wilwood Disc Brakes

Caliper Bridge Spacer for Forged Dynalite / Billet Dynalite and NDL Calipers. Available in various thicknesses for .50"

Wilwood Disc Brakes

Caliper Bridge Spacer Kits contain bolts, bridge spacer and other

TTT-auto | TTT Automotive | TTT Otomotiv

TTT-auto caliper bridges ensure balanced braking force and even pad and disc wear. They

Caliper Bridge Flex

From an engineering standpoint, a brake caliper functions as a load bearing structure

FPK10141 | Caliper bridge housing W/Spring

Applications: This caliper bridge with spring (FPK10141) is designed to restore proper braking force distribution in Bendix ADB22 and

Wilwood Disc Brakes

Wilwood Engineering sells replacement bolt kits for calipers, brake kits, pedals, master cylinders and brake line/flexline.

What Is A Brake Caliper Bridge In Motorsport?

What Is A Brake Caliper Bridge In Motorsport? In this informative video, we dive into the world of braking systems in motorsports,

KAD Caliper Bridge Pipes

Galvanised steel bridge pipe for Type A or B 6 pot calipers. 3/8 UNF brake nuts. Sold per pair

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Brake Family: EX Notes: Bridge Bolts for EX225H and EX225L201-211 & 245-246
VMRS Code: 013-013-000

Brake caliper replacement

Here is the procedure for replacing vehicle fixed brake calipers. You will have to repeat all the steps on all the wheels on the axle.

Installing and Adjusting Caliper Brakes

A practical guide to adjusting caliper brakes to get the best braking performance on your bicycle.

Inboard Caliper Bridge Kit

THIS KIT TIES your Wilwood Caliper together in a sandwich type fashion. Holds the Caliper halves from

Wilwood Disc Brakes

Bridge Bolt Tubes for various Wilwood calipers with a .260" ID, .500" OD and various lengths for specific caliper styles

What Is A Caliper Bridge at Alan Darlington blog

Caliper brakes have a center bolt 6 mm or 1/4 in diameter, which fits through a matching holes in the fork crown or brake bridge of

Wilwood 230-10118: Caliper Bridge Bolt Kit 1/4 in.-20 Thread [.810 ...

Get the Best Performance with Wilwood Caliper Bridge Bolt Kit 1/4 in.-20 Thread [.810 Rotor] 230-10118 parts at JEGS. Shop Now at

Installing and Adjusting Caliper Brakes

Recessed mounting Most newer good-quality bicycles that use caliper brakes use recessed

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EX225 CALIPER BRIDGE BOLTS Bridge Bolts for EX225H and EX225L201-211 & 245-246

Dodge Ram 2500 3500 Rear Disc Brake Caliper Bridge

Buy Dodge Ram 2500 3500 Rear Disc Brake Caliper Bridge Adapter Mopar OEM:

Drilling caliper brake bridge on older frame for modern ...

Drilling caliper brake bridge on older frame for modern recessed calipers. I have a Giant Peloton frame from the 90s that I'm building

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Haven't found the right supplier yet? Let matching verified suppliers find you. Buy Caliper Bridge China Direct From

Caliper Bridge Assembly

Suitable for Volvo, DAF, Scania, Mercedes-Benz, MAN, Renault Trucks and Iveco vehicles fitted with disc brake systems. Uneven

Caliper Bridge Flex Caliper bridge flex is a critical structural ...

Caliper Bridge Flex Caliper bridge flex is a critical structural behavior in brake systems where the caliper bridge deforms under

Wilwood Bridge Bolts 230-5978

Wilwood Bridge Bolts Maintain caliper bridge strength and positive pad retention with Wilwood replacement

Wilwood Bridge Bolts

Maintain caliper bridge strength and positive pad retention with Wilwood replacement bridge bolts. Available to fit specific caliper

Contact Us

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