

Tread Profile Gauges

The Tread Profile Gauge is essential to keeping your wheels in top working order. The Gauge verifies that a tire tread has been machined or re-profiled to the correct flange width and tread taper. Each wheel set comes with two gauges.

- The “Min” Gauge indicates minimum acceptable flange thickness based on the drawing
- The “Max” Gauge indicates maximum acceptable flange thickness based on the drawing

When placed on the tread, both gauges also provide a visual reference to the tread taper. Additionally, the gauges feature two radius cutaways — one above the flange and the other over the throat area. This feature helps to avoid potential interference with the gauges being able to perform their respective functions.

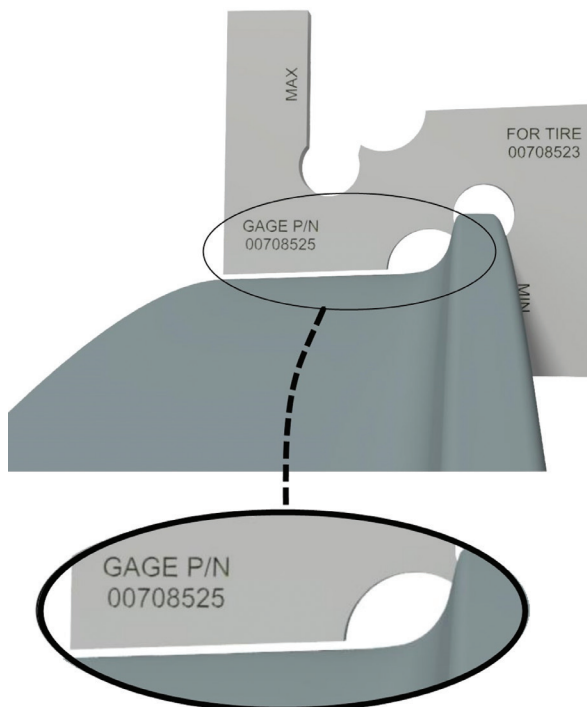
Restrictions on Gauge Use

PMC Min-Max Tread Profile Gauges are for quick, general evaluation only. If a gauge reveals that tread profile appears to be out of tolerance, it is an indication that you must take more precise measurements before reaching a conclusion and deciding upon a course of action.

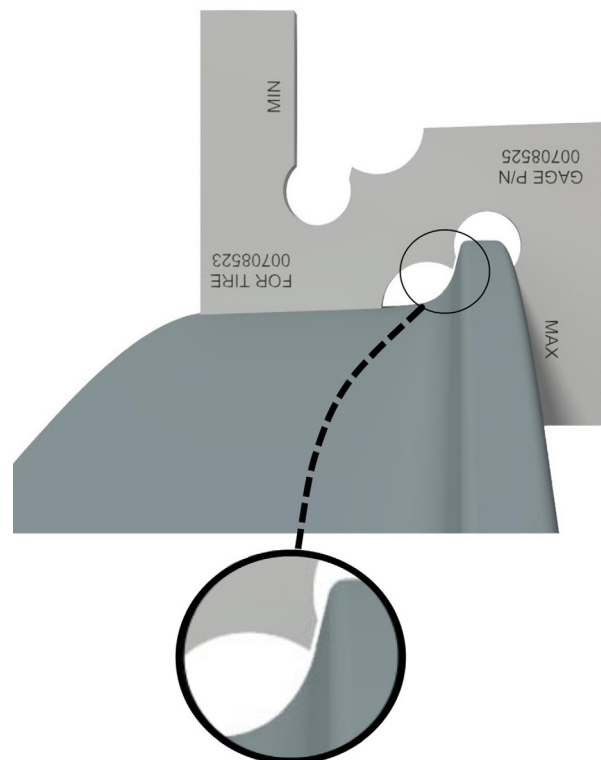
Min-Max Gauges are custom designed for specific PMC tire part numbers or tread profiles. These gauges are unable to be used accurately on any other profile or part number.

The gauge set is not intended to measure flange height, nor will it indicate how much tread remains above the condemning limit.

Min Gauge



Max Gauge



Alerting Transit Authorities to Possible Needs for Wheel Repair

PMC Min-Max Tread Profile Gauges are used successfully by transit authorities throughout North America, including:

- Boston
- Charlotte
- Dallas
- Edmonton, Alberta, Canada
- Miami-Dade County
- Monterrey, Mexico
- New Orleans
- Philadelphia
- Pittsburgh
- Portland, OR
- St. Louis
- Salt Lake City
- San Francisco
- Santa Clara, CA
- Seattle
- Toronto

PMC Tread Profile Gauges help to ensure smooth operation of light rail transit vehicles. The Gauges are portable, quick and easy to use, and provide warnings to maintenance professionals that wheel tread profiles may be out of tolerance. Technicians may then use other gauges to take more precise measurements and determine the best courses of action.

Terms & Conditions: Equipment available only to end users of PMC resilient wheel products.

A Leader in Wheels & Maintenance Equipment for Transit, Rail & Mining/Industrial Applications

In 1920, Penn Machine Company (PMC) began as a coal company and pioneered the manufacture of quality replacement parts for coal mining equipment. Over the years, the company has grown to become a major supplier of heavy-duty OEM and aftermarket components for transit, railroad, mining, steel, construction, and general industrial applications. Our business is domestic and international in scope. Our capabilities and experience combine to provide a wide range of quality manufactured products and services. Penn Machine is comprised of three market-focused stand-alone business units: Transit, Locomotive, and Industrial/Mining, with operations in Johnstown and Blairsville, PA. Penn Machine Company is part of Marmon Holdings, Inc., a global organization of manufacturers owned by Berkshire Hathaway Inc.



American Gear Manufacturers Association



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310 Innovation Drive • Blairsville, PA 15717 • 724.459.0302



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