



# ***MT-Pad***

***Rubber pads for steel tracked machines***

# A WORLD LEADER IN THE RUBBER INDUSTRY

**Bridgestone was founded in 1931 and has grown to become the world's largest tire and rubber products company, with 179 production facilities in 25 countries and sales networks in over 150 countries.**

**The company is renowned for its R&D and design capability, exemplified by the success of Bridgestone's racing tires. This expertise extends to a wide range of products including automotive parts and industrial rubber products such as MT-Pads.**

***"Bridgestone... Serving Society with Superior Quality"***

## Advantages of MT-Pads

Bridgestone manufactures and supplies MT-Pads worldwide. We have been designing, developing and supplying a wide range of rubber solutions to the machinery industry since the 1960's.

MT-Pads are individually vulcanized rubber pads with internal steel plates. They are easily installed to the undercarriages of excavators or construction machinery by fitting them over the top of existing steel shoes. MT-Pads are a good solution for large steel tracked excavators which damage the ground surface and when continuous rubber tracks are not available for larger machines.



### **High durability**

MT-Pads are made from Bridgestone's own high durability anti-cut and anti-chunking rubber compound as used in Bridgestone's OTR (Off The Road) tires. The combination of this durable rubber and increased rubber volume means MT-Pads can achieve much higher durability than common clip-on type pads.

### **Easy installation and replacement**

MT-Pads are fitted by clipping over one end of the steel shoe and bolting over the other end (bolts included). Installation time is reduced because it is simple, secure and only needs one person to complete. Individual worn or damaged MT-Pads can be easily replaced in minutes, thereby reducing downtime.

### **Kind to the road surface**

Damage to roads and other surfaces caused by traditional steel shoes is avoided. MT-Pads cover the entire steel shoe, preventing any steel to ground contact.

### **Safety**

Bridgestone MT-Pads have a hooked clip on one side which fits over the inner edge of the steel shoe. Since there is no need for operators to go underneath the machine during installation, health and safety risks are minimised.

### **Excellent stability and traction**

MT-Pads offer excellent traction and stability due to their large ground-contact area.

### **Low noise and low vibration**

Vibration and noise are reduced compared to steel tracks. This improves operator comfort and is less disturbing to local residents living near to construction sites.

# Design and construction

## MT-Pad

Three benefits of using the latest technologies from Bridgestone

1. High durability
2. Easy installation
3. Wide range

### Tread design

MT-Pad's tread profile is based on Bridgestone's optimized design for high traction, high durability, anti-chunking, anti-cut and good turnability. The leading edge profile is designed to reduce impact shock as it makes contact with the ground. This results in a smoother ride, lower noise and lower vibration.



### Rubber Compound

Steel plates are embedded in a thick super abrasion-resistant rubber compound which provides a highly robust and durable solution for tracked machines.

### Bonding

The embedded steel plates are specially treated using high quality bonding agents to ensure excellent adhesion between rubber and steel during the vulcanization process. (This is similar to the bonding process used in Bridgestone's continuous rubber tracks.)

### 'Single-side' clip

Bridgestone MT-Pads are designed with a single-side, hooked clip, which is completely secure and greatly reduces installation time. There is no need to go underneath the machine cabin during installation which avoids health and safety risks.



# Types of MT-Pad

Failure to select the correct pad for your specific steel shoe profile can result in loose pads, increased wear, damage and breakage. Bridgestone has developed a wide range of pads to suit the large variety of steel shoe profiles available.

When ordering please check Bridgestone's MT-Pad Machine Compatibility Chart or ask us about selecting the correct MT-Pad to match your machine's steel shoes.

## Bottom bolting type (230-500mm width)

Bridgestone's bottom bolting type MT-Pad has a clip on one end and two bolt fixing points on the underside of the other end (bolts included).

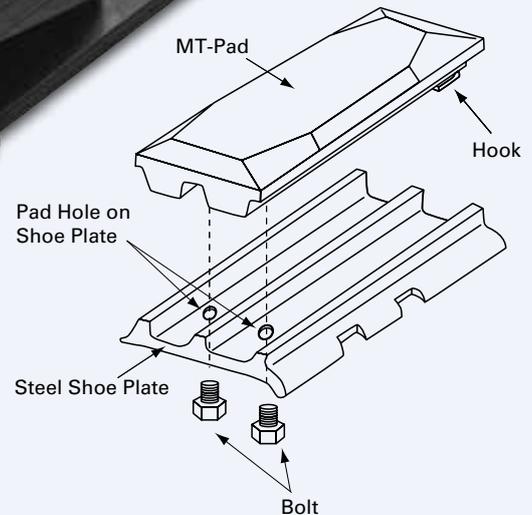
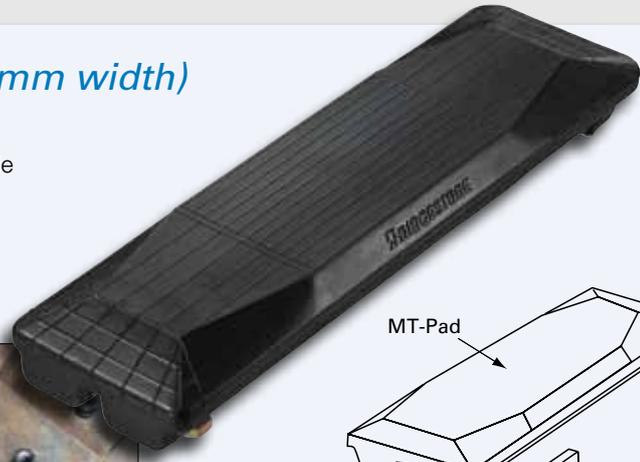
The single-side, hooked clip is completely safe and secure for machine operation and makes installation quick and easy.



Single-side, double-hooked clip



Underside bolts



## Side bolting type (600-800mm width)

Bridgestone's side bolting MT-Pad has a wide-hooked clip on one end and two side-bolt fixing points on the other end.

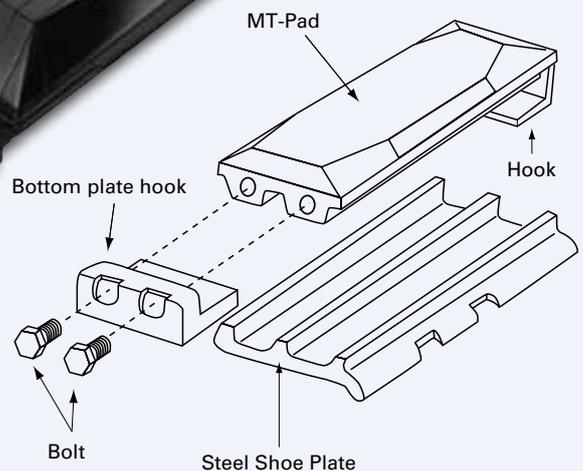
Most machines using 600mm or wider steel shoes do not have bolt holes on the underside for fixing pads but Bridgestone's side-bolting type MT-Pad provides a ready-made solution for installing pads on machines up to 20 tons or more such as large excavators and other construction machinery.



Wide-hooked clip



Side-bolts



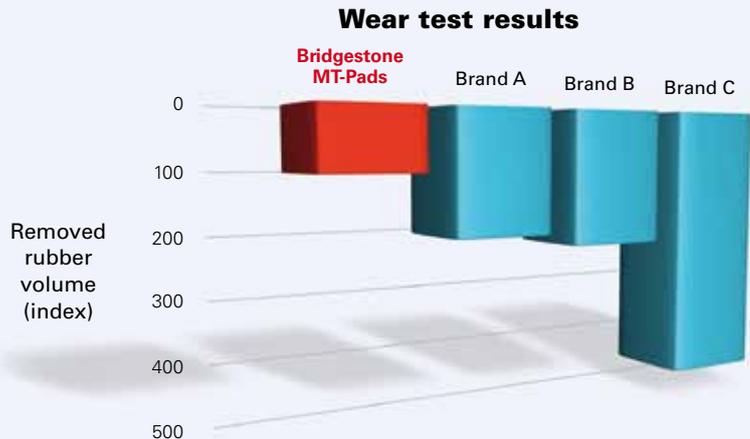
# Key Benefits

## Durability comparison

Bridgestone investigated how the durability of MT-Pads compares with the best alternative brands available on the market.

Tests prove conclusively that Bridgestone MT-Pads have a significantly superior durability as shown by the wear-rate test results illustrated on the right.

(Wear rate 100 hours spin and manoeuvrability test carried out on 8.3 ton excavator at Bridgestone Tochigi Japan proving ground.)



## Easy installation and safety

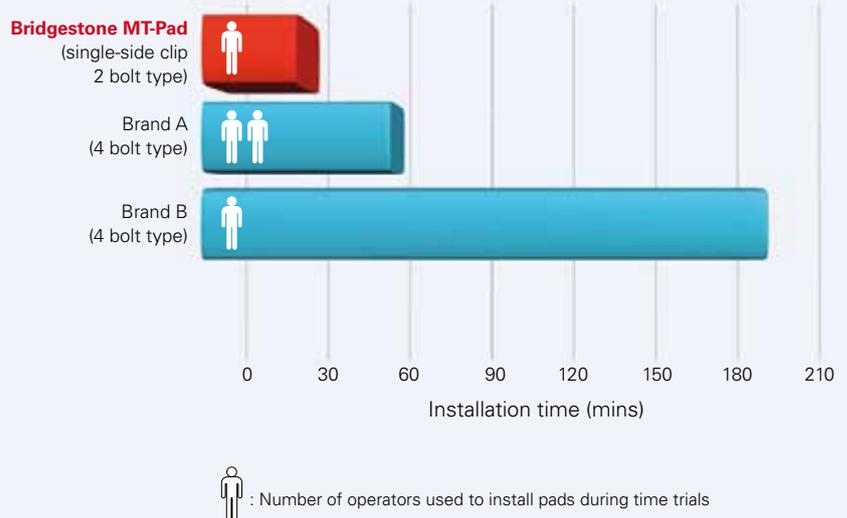
MT-Pads can greatly reduce the cost of installation. Thanks to the single-side clip design, only one operator is needed for installing MT-Pads. In timed trials, the time needed to fit a machine with MT-Pads is far less than other brands available on the market. There is no need to work underneath the cabin which avoids unnecessary health and safety risks.

(Time trials carried out on 8.0 ton class excavator using 450mm width pads.)



Operator works quickly from the outer side of the machine

## Installation time



## Wide range of sizes

**Over 30 different MT-Pads available in ten major widths.**

To select your MT-Pad contact your local Bridgestone representative with the following information:

- Machine Model Number
- Track Width
- Quantity of pads/ shoes per machine

Depending on your application Bridgestone pads may be used on heavier types of machines. Please check with your Bridgestone representative.

	Pad width (mm)	Typical Machine Weight Class (Excavator)
<b>Bottom-bolting type</b>	230	Up to 2.5 tons
	250	
	300	
	350	3 tons
	400	4 to 5 tons
	450	6 to 9 tons
<b>Side-bolting type</b>	500	10 to 15 tons
	600	16 to 24 tons
	700	16 to 24 tons
	800	16 to 24 tons



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**Check Bridgestone's MT-Pad Machine Compatibility Chart or ask about matching MT-Pads to your machine's steel shoes.**

Other Bridgestone products for similar machinery include:

**GeoGrip:** Heavy duty rubber pads which fit directly onto link chains (no steel shoe required).

**Rubber tracks:** High quality continuous rubber tracks for Mini/Midi Excavators, Compact Track Loaders, Dumpers and other machinery.

**Hydraulic hose:** High quality spiral and wire braid rubber hose for industrial applications.

**Engine mounts:** Hi-tech rubber mounts for isolating engine vibration.

**Cabin mounts:** High damping and low dynamic spring rubber mounts for reducing cabin shake.

**Shear compression mounts:** Rubber mounts with low shear stiffness for high compression loads commonly used in vibratory roller machines and a wide range of other applications.

**Suspension rubber:** Highly durable suspension rubber mounts for Articulated Dumpers.

Bridgestone MT-Pads are manufactured at facilities recognized for their quality of management by the highest international certification standards:



**Bridgestone Quality Management Systems**  
ISO 9001/2000 Approved



**Bridgestone Environmental Management Systems**  
ISO 14001 Approved

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