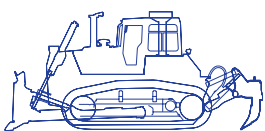




**UNDER-  
CARRIAGE**

# **PARALLEL LINK UNDERCARRIAGE SYSTEM (PLUS)**

Durability where you want it, strength where you need it



**KOMATSU**  
*Driven by your success*



**Our PLUS undercarriage delivers outstanding performance in any dozing application. We also back up all our undercarriage with proven, high-quality support services.**



## PARALLEL LINK UNDERCARRIAGE SYSTEM (PLUS)

Built for reliability, durability and performance

Komatsu is committed to helping you get the most from your machine. That's why we offer the most advanced and most reliable parts to optimize performance and reduce your operating costs. And with our expertise in both parts and complete machines, we tailor each part to the machine and to your application needs – so you can maintain outstanding productivity levels and the high value of your Komatsu machine.

100% designed and manufactured by Komatsu, the Parallel Link Undercarriage System (PLUS) is another example of this commitment. It's the most efficient solution for all dozing applications, significantly reducing your total cost of ownership and providing an extremely smooth ride.

### Longer operating life

Every component in our PLUS undercarriage has been specially designed and manufactured to give the whole system a significantly longer lifetime.

A unique hardening process ensures the optimal balance between longer wear life and high impact resistance, giving each component the same long lifetime. That means fewer undercarriage changes and no need to replace worn parts between overhauls – saving you time and money.

### Lower your cost of ownership

The Komatsu PLUS undercarriage lasts up to twice as long as conventional undercarriages (depending on the application) so there's less downtime for replacements. It's ideal for all applications and conditions. Furthermore, in case of accidental breakage, you can easily replace damaged parts in the field. This all adds up to a huge reduction in your total cost of ownership.

### Less work

Upgrading to our PLUS undercarriage is quick and easy. You just change the undercarriage components. There's no need to modify the track frame or to drill any holes – you can even re-use the idlers. So upgrading to the PLUS undercarriage takes exactly the same time as fitting a new conventional undercarriage. And once you have a PLUS undercarriage, its longer lifetime means fewer replacements so less machine downtime in the future too.



## PLUS BENEFITS

Why choose PLUS undercarriage?

- PLUS undercarriage components are specifically designed and undergo a unique hardening process to ensure all the components have the same, extremely long life.
- By preventing packed material build up that can cause high track tension, the recessed sprockets reduce pressure on the seals and extend their life. The sprockets are segmented for easy, in field sprocket tooth replacement in case of damage.
- The parallel link assembly supports the floating bushing, minimising stress and wear on the pins, seals and other components.
- Newly designed recessed sprockets avoid material packing, which causes high pressure on track link assembly seals.
- The new track roller design improves track guidance and is designed and manufactured to last as long as the rest of your PLUS undercarriage

The Komatsu PLUS undercarriage excels in all applications and all conditions: standard or heavy-duty, low or high impact or abrasion. The system has been tested for thousands of hours and in all kinds of real applications at customer sites. When conventional undercarriages are long gone, the PLUS undercarriage keeps going strong.

# OPTIMISED TECHNOLOGY

## The Komatsu PLUS undercarriage excels in all applications

### Longer-wearing links

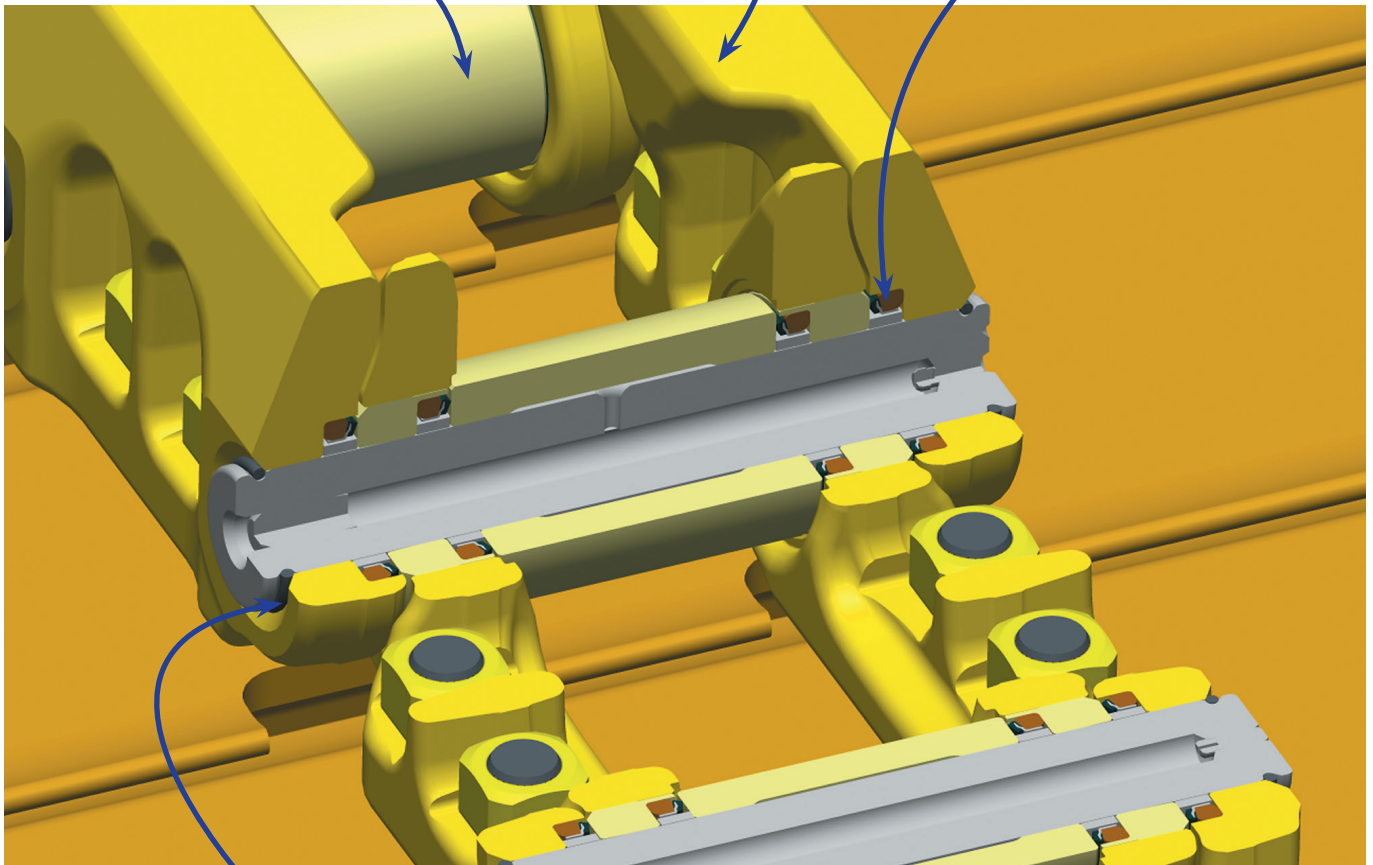
Komatsu PLUS links have more wear height than the conventional Komatsu undercarriage links and undergo a unique hardening process. They feature more hardened steel for a longer wear life yet maintain the same amount of high-tensile steel for maximum impact resistance.

### Floating bushing

The Komatsu PLUS link assembly features a unique and highly reliable floating bushing that rotates freely as you drive. Oil-lubricated, the bushing rotates smoothly around the pin without friction. It also reduces friction on the sprocket so the bushing wears evenly without local wear spots – ensuring a longer life for both the bushing and the sprocket.

### Long-life seals

Unique Komatsu-designed seals keep the lubrication in and the dirt out. Successfully tried and tested over many years on our larger bulldozers, they're designed to last as long as your PLUS undercarriage and reduce the risk of leakage.



### Wedge ring

Proven in the field on countless large Komatsu dozers, the wedge ring system makes it easier to change accidentally damaged link assembly parts in the field.

### New track guard

Made from specially hardened steel, the redesigned PLUS track guard stops stones and debris from getting stuck in the undercarriage, preventing damage to the track link assembly.

(NOTE: not visible in image)





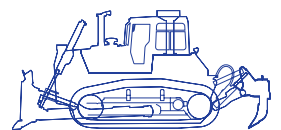
## UNDER-CARRIAGE

### FOR MORE INFORMATION:

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