

Delivering Short Lead Times for Rubber Parts

Supply chain issues are challenging equipment manufacturers across the continent. These manufacturers often have a wide supply chain network that usually includes imported products to ensure they stay competitive in the market.

Unfortunately, supply chains have not been operating the same way it has traditionally, leading to lengthy delays and increased costs.

Instead of accepting longer lead times and higher charges, manufacturers are contacting us and finding that we can offer a comparable price with drastically quicker lead times for their imported rubber parts.

Rubber extending equipment life

A customer that manufactures piledrivers for companies across the US recently made the switch. Piledrivers are devices that insert piles (steel or wooden pillars that support a structure's weight) deep into the ground. These devices are equipped with special hammers that secure the piles into place.

Each hammer creates a lot of impact when it hammers a pile into the soil. In fact, the collision is so strong that the hammer damages itself.

To minimize breakdown, our customer wraps Rubber Impact Rings to each piledriver they manufacture to protect it from tremendous wear and stress.

Rubber is a natural shock absorber. When the hammer collides with a pile, the rubber ring cushions the impact that is redirected back to the machine—much like how we wear gloves to protect our hands when we punch a punching bag.



CUSTOM MOLDED RUBBER PARTS

Redwood Plastics and Rubber offers a variety of custom molded rubber parts designed to your specifications, including:

- ▶ Truck parts
- ▶ Bumpers
- ▶ Bushings
- ▶ Trays
- ▶ Anti-vibration grommets
- ▶ Manifold grommets
- ▶ Molded seals
- ▶ Panel grommets
- ▶ Rubber caps
- ▶ Rubber plugs
- ▶ Vibration mounts
- ▶ Rubber bonded to metal

Without these rings, our customer won't be able to manufacture a reliable piledriver.

Our customer, based in Washington, buys its rubber impact rings from a vendor in China. However, supply chain issues were delaying its orders to the point that our customer was waiting three or more months for its parts. Instead of waiting, our customer decided to contact Redwood Plastics and Rubber.

Supplying parts close to home

Our team at our Woodland Branch quickly got to work capturing all our customer's technical requirements—including how soon it wanted the rings.

After a brief requirements assessment, we started production.

We were able to make the rubber impact rings our customer wanted and ship the parts to its facility 2-3 weeks after purchase.

Happy with the finished product and short lead time, our customer soon started manufacturing reliable piledrivers at normal capacity again.

Going local also provided other benefits to our customer. For instance, it avoided expensive freight and storage fees it had to pay from shipping the rings across the ocean.

Our Woodland Branch is also a short drive to our customer's facility as well so our customer can have the experience of a close business relationship.

Need parts quickly? We can help

Redwood Plastics and Rubber have branches across North America. We can ship industrial plastic and rubber parts and material across the continent. If you need a supplier with a short lead time, contact us at 833 381 1195. Our team is always ready to help you.

FORMAT: Three rings in three different sizes ranging from 17.5" OD x 18" ID x 3.125" thick

COLOR: Black

DUROMETER: 80A

(Other hardnesses available)

DESIGNATION: NAT, NR, Gum Virgin Polyisoprene



Strong



Impact Resistant



Cut & Tear Resistant



High Elasticity



Abrasion Resistant



Thermally Stable



Acid Resistant

ABOUT NATURAL RUBBER

The rubber impact rings were made from Commercial Grade Natural Rubber. This grade of rubber possesses exceptional anti-vibration, stretch and compression capabilities. Typical applications include:

- ▶ Concrete socks & chute sleeves
- ▶ Hose sections
- ▶ Blast & impact curtains
- ▶ Springs and vibration mounts
- ▶ Gaskets & seals
- ▶ Liners for tanks and piping