

# Superior Tire & Rubber Corp. Simplifies Stabilizer Caster Adjustment

Warren, PA - Superior Tire & Rubber Corp., a leader in the design and manufacturing of material handling components, has recently introduced their new STR5200 Series Stabilizer Caster for electric pallet trucks. For many years, the process of adjusting a stabilizer caster was so cumbersome that it was almost never practiced. However, in more recent years the market has had a need for more efficient and higher performance truck. Manufacturers began engineering more advanced trucks: faster trucks with higher maneuverability allowing for a greater number of runs per day/shift. Unfortunately, without proper caster adjustment, these benefits would be lost, rendering these new and expensive trucks ultimately no better than their older predecessors. From this perspective, Superior Tire & Rubber Corp. challenged their engineers to design a caster with much simpler adjustment ability – and they developed the STR5200 Series caster.

“We designed the STR5200 Series Stabilizer Caster to provide the easiest height adjustment from the side of the truck without ever having to lift the truck” said Tim Rowles, Technical Service Manager at Superior Tire & Rubber Corp. Accessible by socket wrench, a unique linear tread adjusting mechanism could be loosened or tightened to alter the height of the caster to accommodate for drive tire wear or caster wheel wear. A patented polyurethane spring mechanism (PolyBlock™) aided in keeping a consistent spring rate throughout the life of the caster. A forced impact skid-plate design was added to not only protect the adjustment mechanism, but also to prevent impact damage from breaking the caster. Furthermore, the side-plates were thickened and the wheel axle was upgraded to a 20mm full shoulder bolt.

In addition to the STR5200 Series Caster that is a drop-in replacement for rider pallet truck units, Superior Tire & Rubber Corp. also developed the STR5400 Series caster, an even heavier duty side adjustable caster, as well as the STR5500, a heavy duty top-of-the-deck adjustable caster made for specific models of rider pallet trucks. All of these newly designed casters were designed with the easiest height adjustability, independent of the spring rate to offer the same optimum performance throughout the life of the caster.

## **About Superior Tire & Rubber Corp.**

*Founded in 1964, Superior Tire & Rubber Corp. is a designer and manufacturer of polyurethane and rubber industrial components for the material handling, construction, agricultural, military and mining industries. All Superior Tire & Rubber Corp.'s product offerings are proudly engineered and produced in the USA on state of the art processing and machining equipment, overseen by quality management systems registered to ISO 9001:2008. Superior Tire & Rubber Corp. also owns multiple patents on many innovative products that have become new industry standards.*