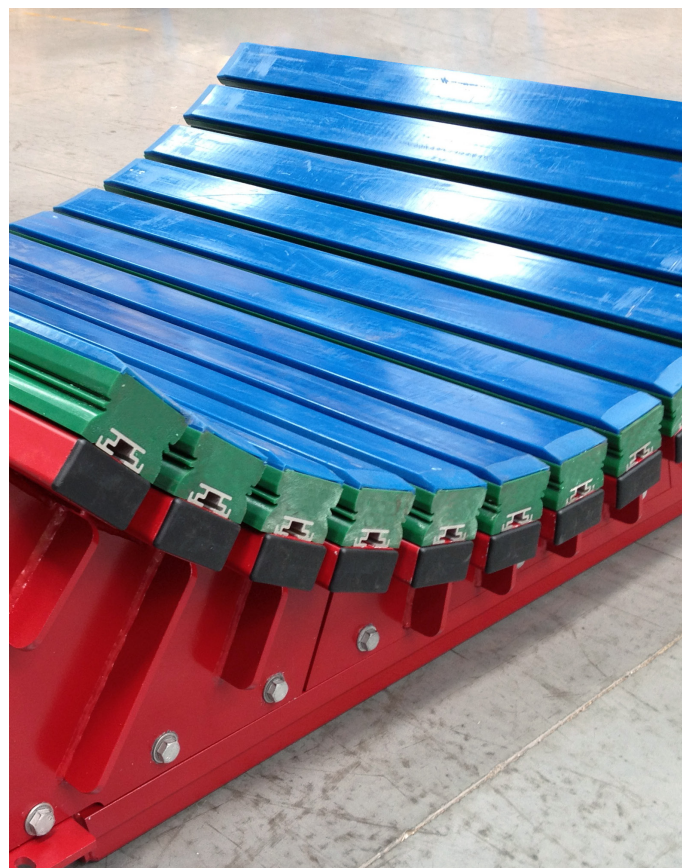
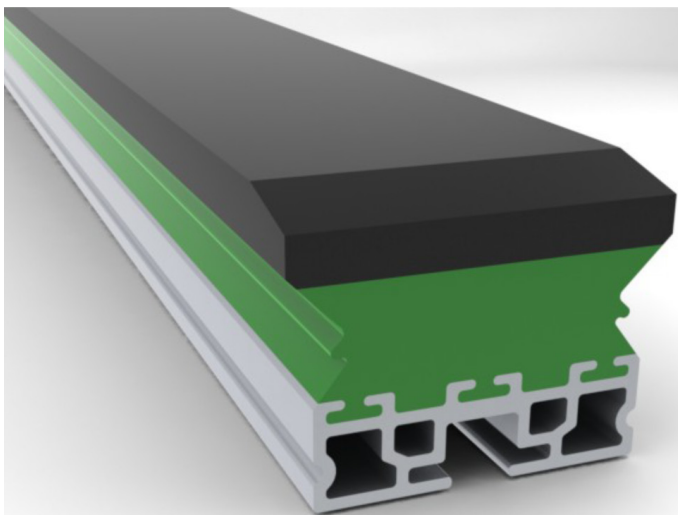


## Load Zone™ Replacement Impact Bars

Introducing the new Load Zone™ Replacement Impact Bars. Manufactured now with three enhanced layers of material, designed for maximum energy absorption, reduced rebound and increased wear life.

After more than a year in design and testing analysis, a 19mm-thick layer of UHMW tops specifically formulated, energy-absorbing polyurethane. These layers are secured to a completely reengineered extruded aluminium insert that provides dramatically better support.

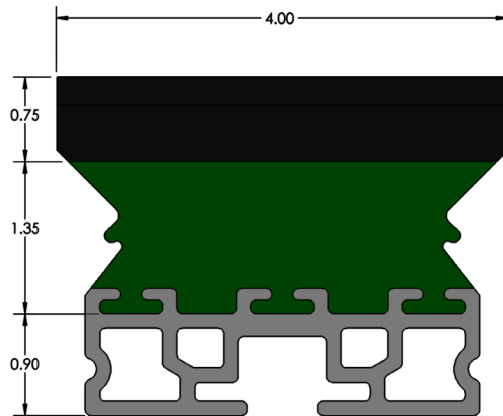
Recognising the need to strengthen our bars for use in areas where the force of impact from the material's weight and size can potentially create the most damage to material handling equipment, a simulation test was conducted using 6350kg of load force to compare the rebound height, or bounce, of average impact bars, and the current and new designs of Argonics' impact bars.



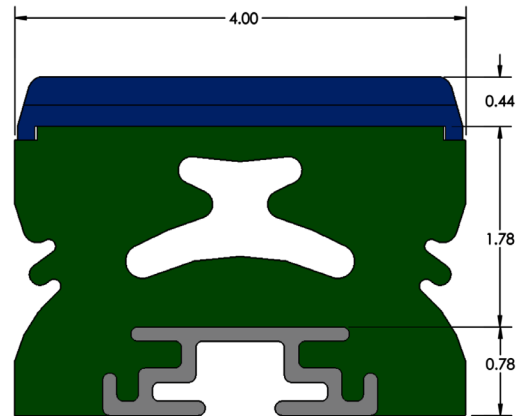
### Key Improvements

- The UHMW polyethylene layer is now twice as thick as the previous bar, effectively increasing the wear life by 2X
- The new design compression chamber core has moved to the outside of the bar, providing 24% lower rebound than rubber bars
- The new aluminium base provides better support while increasing overall strength by 241%

## Load Zone<sup>TM</sup> Replacement Impact Bars



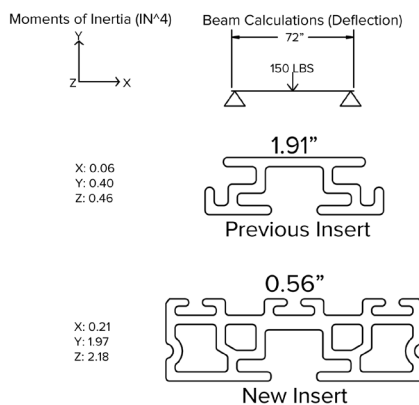
*New Impact Bar*



*Old Impact Bar*

### Deflection Testing & Analysis

Using extensive testing and simulations along with beam calculations, the new design demonstrates significant improvement in deflection over the original impact bar. Applying 65kgs of force upon a length of 1830mm proved that the new impact bar design deflects the load by 14mm versus 48mm deflected by the original design, demonstrating a 241% improvement over the original design in the deflection simulation test.



### Availability

Load Zone<sup>TM</sup> Replacement Impact Bars are available in standard lengths of 1220mm, 1400mm, 1520mm and 1830mm. All bars come standard with a heavy duty extruded aluminium insert which provides rigidity and is designed to be installed using a standard 13mm grade 8 bolt and washer, reducing cost by eliminating expensive T-bolts.

### Retrofit Impact Bars

A 19 mm thick layer of low coefficient UHMW is keyed to the urethane and is the contact surface to the conveyor belt.

- Mechanically bonded UHMW wear surface
- Heavy duty extruded aluminum insert
- FRAS urethane available
- Replacement bar for most beds on the market
- No T-bolt required; uses a standard M12 grade 8 bolt & washer