



A HEXPOL COMPANY



Wheels for Roll Forming Equipment

Stellana manufactures application-based polyurethane wheels and rollers for the metal roll forming industry

Stellana rollers offer an optimal blend of performance characteristics that are crucial to the industry. Monitoring strict controls throughout all aspects of the production, we consistently provide exceptional bond strength in our products. We also utilize advanced Zero TIR (total indicator run out) Technology to achieve a nearly perfect roundness that is unique to our products.

Our wheels have been tested within the industry and are proven to outperform the strength and longevity of competing brands.



High-quality polyurethane drive rollers improve roll forming machine performance by:

- Reducing adjustments costs and coil misalignments
- Avoiding oil canning by reducing stress on stock material
- Eliminating impregnation of debris in the roller to prevent marring of stock material
- Simplifying cleaning processes through the material's chemical resistance

Wheel Options:

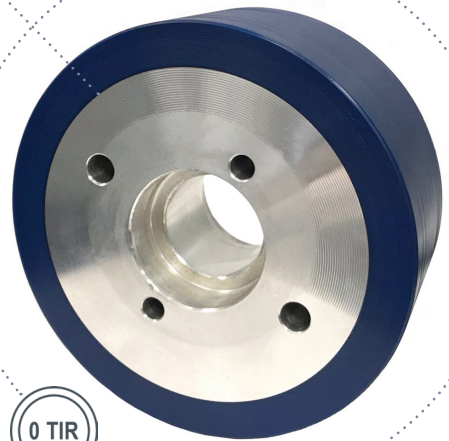
- Durometer** 85, 90, & 95 Shore A standard materials
- Size** Small rollers to heavy duty drive wheels
- Custom** Customizable solutions available



Bond Strength
Tested and vetted within the roll forming industry



Non-Marking
Polyurethane will not mark or scratch stock material



Total Indicator Run Out
We hold our diameters to a tight +/- .005 tolerance

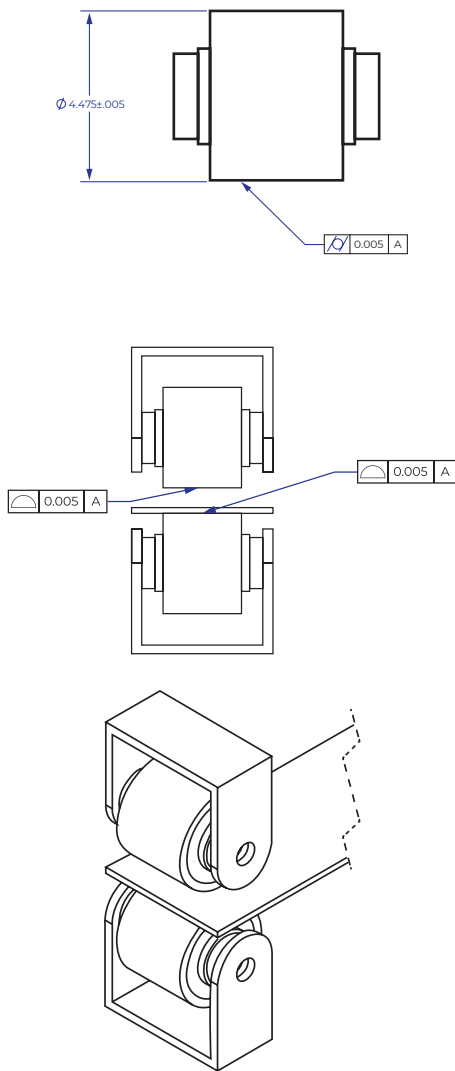


Grip
Offers great grip and control in comparison to metal rollers

Strict Manufacturing Tolerances

At Stellana we hold our diameters to tight +/- .005 tolerances, ensuring you receive a wheel that is as perfectly round as you can find in the industry. We are told this is one of the biggest differentiating factors between standard polyurethane products and the Stellana-made versions. This provides end-users with the confidence of a consistent end product and less of the hassle and cost associated with adjustments, roller failure, and cosmetic issues.

Stellana Wheel

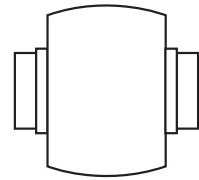


Stellana Part Illustrated

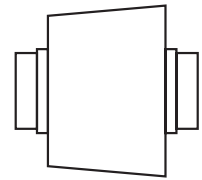
A typical load for unit as drawn is:

- Maximum vertical load - 81 lbs. (the standard)
- Maximum horizontal load - 138 lbs.

Wheels Manufactured with Looser Tolerances

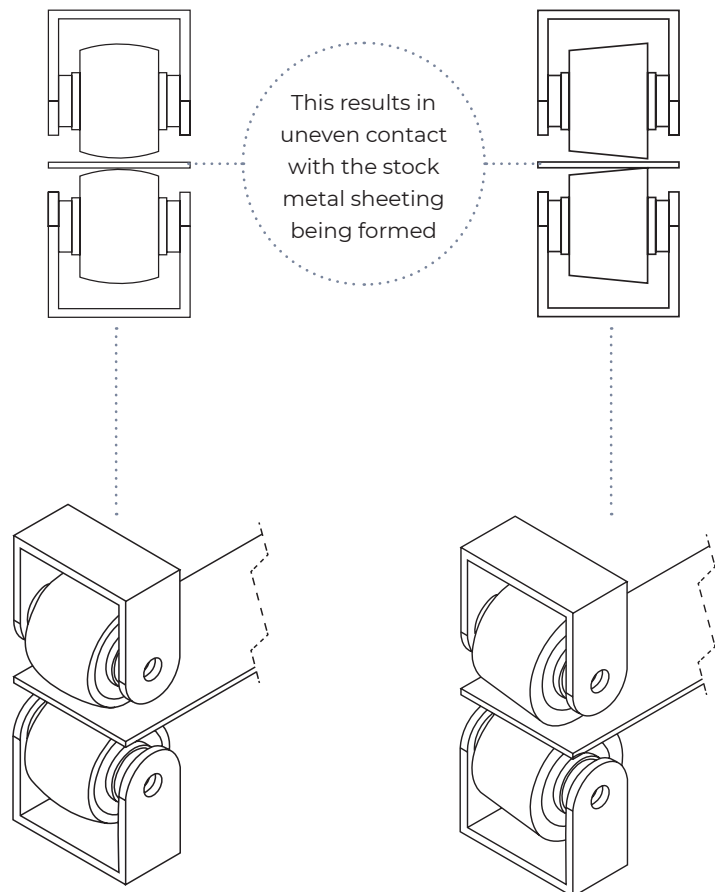


Profile Irregularities



Coning

These drawings are exaggerated for illustration purposes, but they represent common cylindrical irregularities that can be found in competitive wheels. We hold our wheel diameters to very tight tolerances in order to deliver nearly perfect roundness that is unique to Stellana.



This results in uneven contact with the stock metal sheeting being formed