



HYSON™

Made for the Challenge

Roll Balance Cylinders

Our precision-engineered work roll separator springs or roll balance cylinders are trusted by mills for decades, delivering cutting edge clamping and force control solutions that enhance efficiency, safety, and productivity. Made in USA by Hyson.



Toolmind Connectivity Features

Roll Balance Cylinders Other Cylinders

Toolmind Connectivity Features	Roll Balance Cylinders	Other Cylinders
Wireless WRSS Pressure and Temperature Detection With Toolmind technology, Hyson cylinders transmit gas pressure and temperature in the work roll separator spring before starting a campaign, helping you avoid costly downtime and production delays.	✓	✗
Roll Shop On-Demand Pressure and Temperature Monitoring Hyson's handheld Toolmind receiver allows the roll shop to check the pressure and temperature of each WRSS cylinder before or after cylinders are in the chocks.	✓	✗
Real-Time Pressure Monitoring With the Toolmind Base Station, live monitoring of cylinder pressure and temperature in the mill is available, giving you complete control over performance.	✓	✗

Reliability & Safety Features

Maintain Work Roll Separation Hyson's roll balance cylinders are engineered to maintain the gap between work roll cylinders when the chocks are assembled in the roll shop, transported, staged, and in your mill stands.	✓	✗
Flat Roll, Plate and Bar Hot Mill, Cold Mill – Roughing and Finishing Stands Hyson roll balance cylinders are built to handle stress in roughing and finishing stands and are used in hot and cold flat rolling mills and bar mills for steel, stainless, aluminum and non-ferrous alloys. Continuous, Reversing, Tandem mills too.	✓	✗
Faster Roll Changes Hyson work roll separator gas springs keep with work rolls separated when they are removed from the stand. This greatly reduces the time needed to change work rolls in the roll shop and in the mill.	✓	✗
Better Safety by eliminating hydraulic lines and spacer blocks Hyson Roll Balance Cylinders are nitrogen gas charged, eliminating the maintenance of and safety/fire concerns with hydraulic roll balance cylinders or silicone filled cylinders. They eliminate the risks of injury by using spacers to separate rolls in the roll shop and stands.	✓	✗
Technical Support On Demand Gain immediate access to Hyson's team of experienced engineers for technical support, application guidance, and troubleshooting whenever you need it.	✓	✗

Maximize Your Campaign Efficiency with Hyson

Don't let pressure issues disrupt your campaigns. Switch to Hyson Roll Balance Cylinders for reliable, efficient performance that keeps your mill running without interruption. Contact us today to schedule a demo.

Contact us to learn more about our solutions: