HYSON
Metal Forming Solutions™

INSTAclamp™ Ring Case Study

Replacing bolt-on style chock rentention rings

SAFETY SAVINGS TIME GROWTH

Industry:
Steel Production - Flat roll steel for automotive use

Project Goal:
Replace traditional retention rings with a simpler, safer, more reliable solution

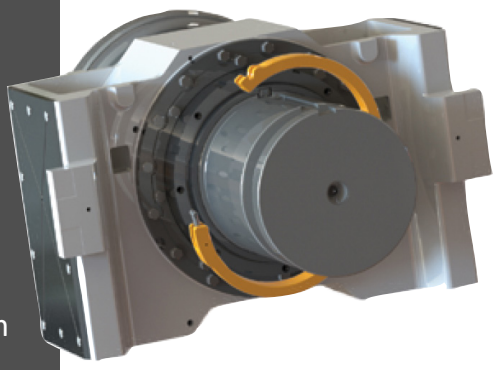
An integrated steel mill in the Midwest was using traditional bolstyle lock rings to secure their chock assemblies. The steel split retention rings were heavy, took two people to align and latch, and required the utilization of multiple tools to install and dismantle. Not only was it a cumbersome process, but the customer was experiencing multiple latch failures which caused the retention ring to fall off during production, stopping operations. Furthermore, the protruding latch caused damages to lifting straps and slings, increasing maintenance costs.

Solution:

HYSON's INSTAclamp Retention System manufactured from military grade aluminum, The INSTAclamp ring delivers a safer, lighters, "less-touch" solution. featuring a patent-pended, double-locking latching mechanism was selected and integrated into 72 chock assemblies.

Result:

Designed to the customer's fit for form and function, the light weight aluminum retention ring with smooth outer surface minimized mishandling, operator fatigue and interference with lifting straps. The repeatable, reliable and simple latching system eliminated the use of multiple tools and downtime caused by latch failures.



Customer Impact:

- *Safety:* Lighter weight aluminum material provided ergonomic benefit
- *Cost Savings:* Down time due to latch failure was minimized
- *Cost Savings*: Damage to lifting straps was eliminated
- *Time:* Installation times went from 90 seconds with two operators to 15 seconds with one operator
- *Growth:* Per year ROI from time savings alone was nearly $20,000

Company Address:
10367 Brecksville Road
Brecksville, Ohio 44141

Phone:
440-526-5900
800-876-4976

E-mail:
Orders@HysonSolutions.com

Website:
HysonSolutions.com