



KASTALON

POLYURETHANE PRODUCTS

Kastalon Polyurethane Solutions For Steel Production and Processing

The rugged durability of Kastalon Polyurethane offers many strategic advantages, cost savings, reduced maintenance, and improved safety conditions over other products currently in use. To reduce costs and improve efficiencies, we recommend the following improvements:

COLD MILLS

Rollers/Wheels

Kastalon's highly engineered polyurethane provides excellent wear and abrasion resistance. Kastalon can design the profile, precision surface finish and hardness to meet your application:

- Bridle Rolls
- Accumulator Rolls
- Tension Rolls
- Stretcher Leveler Rolls
- Pinch Rolls
- Hold Down Rolls
- Steering Rolls
- Pull Rolls
- Breaker Rolls
- Inspection Rolls
- Table Rolls
- Carry Over Rolls
- Arm Rolls
- Blocker Rolls
- Side Trimmer Rolls/Wheels
- Squeegee Rolls

Mandrel Sleeves

- Minimize or prevent mandrel reel breaks
- Increase mandrel life between rebuild campaigns
- Longest life of any sleeve

Mandrel Filler Plates

- Non-marking
- Lighter weight than steel, easier installation, greater safety
- Longer lasting than plastic
- Not brittle; will not break or shatter
- Custom matched to mandrel pattern

Slitter Stripper Tires

- Runs longer without wear, chipping, cutting, swelling
- Lasts 2-4 times as long as rubber

Threading Aprons

- Reduces scratching on start up
- Saves up to 100 ft. of start-up coil
- Will not pick up steel slivers which can damage steel
- Durable, has long life, reduces maintenance time for change outs

Coil Peeler Knife Edges

- Offers precise cutting accuracy
- Eliminates steel to steel contact with conventional steel knives
- Reduces scratches and damage
- Longer life, fewer change outs

Resilient Kastalon Polyurethane Pads - Coil Cars, Coil Elevators, Saddle Areas, Storage Stations

- Will not pick up slivers which will scratch, mark or damage steel
- Longer life than rubber, wood or plastic
- Eliminates damage from debris

Conveyor Pads for Chain Conveyors and Walking Beam Conveyors

- Reduces coil damage
- Grips better eliminating coils falling off conveyor
- More durable, outlasts rubber 4-8 times

GENERAL MILL APPLICATIONS

Polyurethane Crane Bumpers

- Less expensive than hydraulic
- No moving parts, reducing maintenance
- Compact, allows for closer end and side approaches
- Fits all standard domestic and European made cranes

Engineered Bumpers - Transfer Cars, Traveling Tables, Coil Cars, Slab Mills, Manipulators, Ladle Cars and Stops

- Impact and shock control
- Non-marking
- Unaffected by grease, oil, dirt for applications in dirty work environments

ROLL SHOP

Steady Rest Kastalon Polyurethane® Gib Blocks

- Will outlast Babbitt material by as much as seven times the life
- Lower oil usage
- Acts as bumper when loading rolls into lathe causing less realignment issues and faster restarts

Thrust Collars, Kastalon Polyurethane®

- 70% lighter than steel
- Available in solid poly and steel clad depending on the application
- Can be customized to adapt to your preferred locking mechanism
- Shock resistant
- Lightweight alternative places less physical demands on workforce

Roll Rack Liners

- More durable than wood, plastic, rubber
- Greater protection for rolls
- Roll neck shrouds protect necks during handling and grit blasting
- More durable than rubber, lighter and safer to handle

Roll Grinding Driver Dogs

- Will not mark rollers
- Lighter and safer to handle than steel dogs

Roll Saddles for Transport Buggies and Build-up Tables

- Will withstand tremendous weight without damage or marking of rollers
- Will allow rolls to be transported without scratches or damage from shifting (at start or stop), vibration or bouncing from transport over uneven or rough floors

Roll Drivers

- 50% lighter than steel
- Can eliminate need for overhead crane to install and remove
- Lasts as long as metal alternative

COIL HANDLING & TRANSPORTATION

C-Hook Pads

- Durable, non-marking
- Prevents eye and side damage from impact with coil
- Easy to install
- No lifting device down time
- Has longer life than other protective pads

Trailer Pads

- Prevents damage to coil & trailer from loading impact or shifting at start and stop
- Patented designs for secure coil transportation, over the road or by rail

Coil Ramp Pads, Pads for Straddle lifts, Ram Trucks, Fork Lifts

- Prevents marking from coils riding over debris or becoming scratched
- Outlasts other materials 4-8 times
- Non-skid
- Coils will not fall or shift during transport

Coil Storage-Floor Pads & Coil Saddles

- Longer life than wood, rubber, plastic (basically never wears out)
- Kastalon Chock System safe, flexible storage
- Available with built in oil collectors prevent housekeeping problems from oil and lube draining on the floor
- Excess lube can be collected and recycled for cost savings and reduced hazardous waste removal.
- Equipped with reinforced counter-bored bolt-holes for optional floor attachment
- Available in a variety of standard sizes. Custom sizes, "V" blocks and cradles available to fit your specific needs

TUBE MILL

Tube Straightener Liners

- More durable than plastic or rubber by 2-6 times
- Quiet-reducing decibels as much as 25 points for hearing safety

Tube Magazine and Table Liners

- Reduces noise
- Eliminates scratches and impact damage

Burn in Rolls

- Haven ®
- Pines ®
- Yoder ®

Forming Rolls

- Polyurethane Plastic rolls
- Non-marking
- Durable

Tube and Pipe Conveyor & Transport Rolls

- Longer lasting than rubber or plastic
- Better drive than plastic or steel, eliminating scratches from skidding
- Reduces noise levels

Replacement Magnaflux Machine Feed Rollers and Bumper Stops

- Original equipment replacement parts
- Same advantages as conveyor rollers

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Bumpers and Stops

- Will not damage pipe ends
- Reduces noise
- Eliminates damage to machinery by absorbing impact

Pipe Test Cups and Test Seals

- Special polyurethane compounds and seal designs increase life 8-10 times over rubber and 2-4 times over conventional polyurethane compounds

SPRINGS FOR TRANSFER CARS, LADLE CARS, COIL RAIL CARS, COKE CARS & WORK ROLLS

Hydraulic accumulator springs/Machinery springs

- Durable
- Highly resilient
- Unaffected by harsh environments
- Will not embrittle

Cushion Pads

- Machinery and rail pads to absorb shock and impact
- Protect concrete foundations from spalling
- Protect machinery from impact
- Non-marking
- Unaffected by grease, oil, solvents, does not break down over time

Crane Rail Pads

- Absorbs vibration, reduces transmission of vibration to building and machinery
- Reduces noise from impact, shock and vibration
- Lower cost and longer life replacement for Fabreeka® and similar products

Scale Pads

- Protects load cells and materials being weighed

ORE_AND_BULK_MATERIAL HANDLING

Classifier Screens

- Rugged long life

Pulley and Roller Covers and Donuts

- More durable than rubber 2-6 times
- Reduced down time
- Increased belt life

Belt Scrapers and Skirt Boards

- Increased belt life
- Longer lasting than rubber 50-400%

Chute, Hopper, Classifier, Screen Liners

- Reduced noise
- Longer life than steel, plastic or rubber

MELT SHOP

Cassette Gaskets

- Longer life than rubber seats 6-12 times
- Complete rebuild capabilities
- 40-50% cost reduction as a result of reclaiming used parts rather than replacement with new parts

Crane Bumpers

- Very effective in melt shop conditions
- No maintenance, unaffected by grit and dirt

Transfer Car Bumpers

- Control impact and absorb shock