GRIZZLY SUPPLIES

SEAL IT, MOVE IT

Sealing Solutions For Food, Bottling & Pharmaceutical

Moving You Forward Since 1998

WWW.GRIZZLYSEALS.COM

1-877-505-0155

GRIZZLY SUPPLIES

Introduction

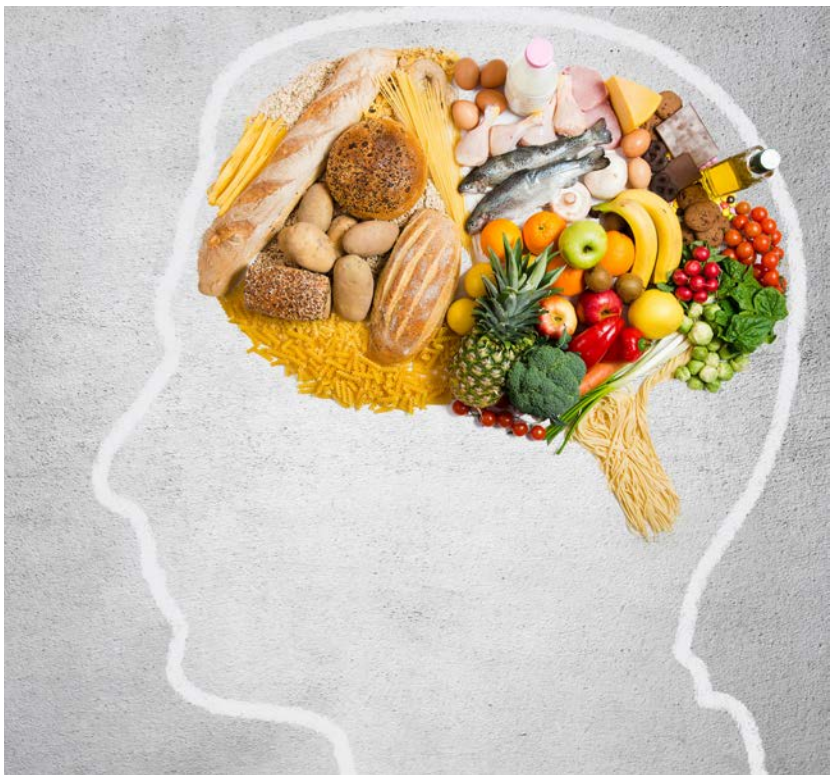
Sealing Solutions for Food, Bottling and Pharmaceutical Industries

Grizzly Supplies is an industry leader, providing standard and custom seal solutions to clients in many fields. With a stocking warehouse in Canada and the USA, we carry a wide range of seals in many profiles and materials to suit most environments and temperature ranges.

Grizzly Supplies understands the requirements for food, beverage and pharmaceutical industries all the way from the manufacturing and handling processes - including:

- FDA approved materials
- CIP/SIP compatible elastomers
- High temperature materials
- Low lubrication applications
- Leakage free solutions
- Special lubricants and greases, including kosher

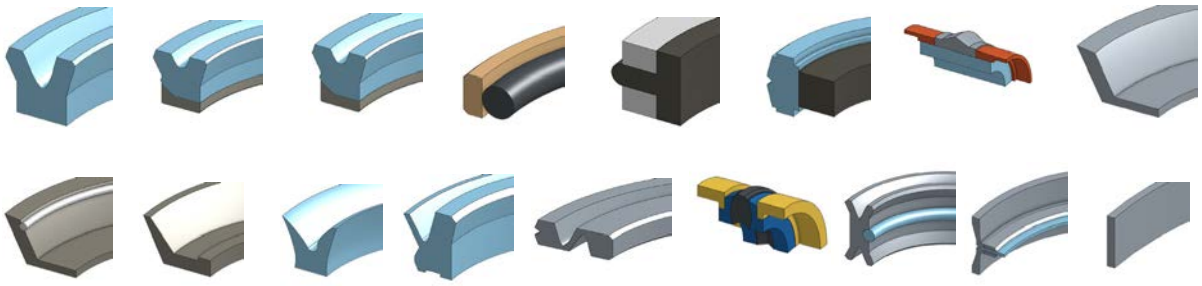
As a stocking warehouse, coupled with our ability to produce custom seals, seal kits, factory specific JIT and MRO stocking programs for both OEM and maintenance-based customers, Grizzly Supplies is well equipped to handle your sealing needs.



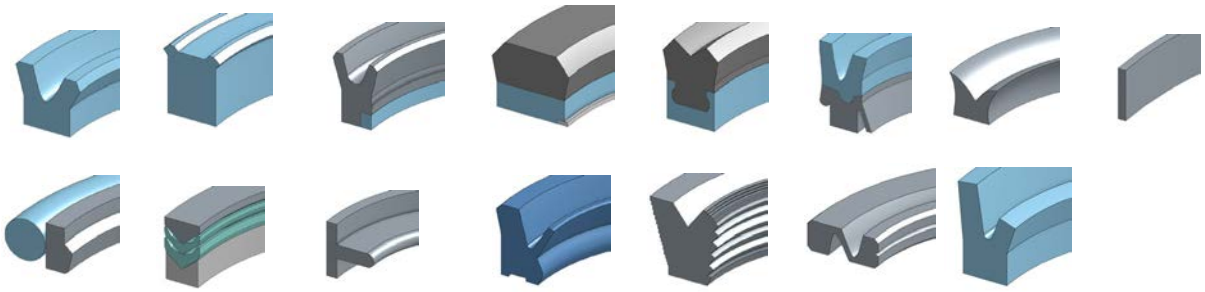
GRIZZLY SUPPLIES

Seal Profiles

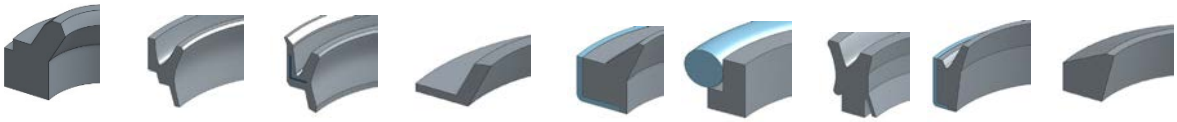
PISTON SEALS – Hydraulic and Pneumatic



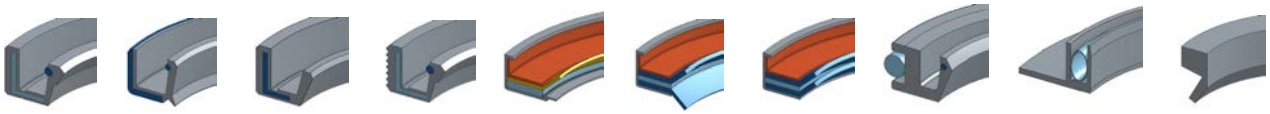
ROD SEALS – Hydraulic and Pneumatic



ROD WIPERS – Hydraulic and Pneumatic



ROTARY and SHAFT SEALS



SPECIAL SEALS – Filling, Valves, Metering, Door Seals, Butterfly Valve Seals & Custom Profiles

Food Compliant Materials

Sealing materials play an important role in food, beverage and pharmaceutical applications.

As seals may come into contact with products intended for human consumption, materials and processes should comply with regulations. Grizzly Supplies works with our customers to select the right materials for every application.

	TEMPERATURE (celsius)	ORGANIC ACIDS	DILUTED ALKALI	FATS OILS	MINERALS	KETONES OILS
SILICONE	-60 to 205	FAIR	FAIR	FAIR	POOR	POOR
NBR	-50 to 120	GOOD	FAIR	GOOD	GOOD	POOR
EPDM	-50 to 180	GOOD	GOOD	POOR	POOR	GOOD
FKM	-28 to 205	GOOD	FAIR	EXCELLENT	EXCELLENT	POOR
PTFE	-150 to 230	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD

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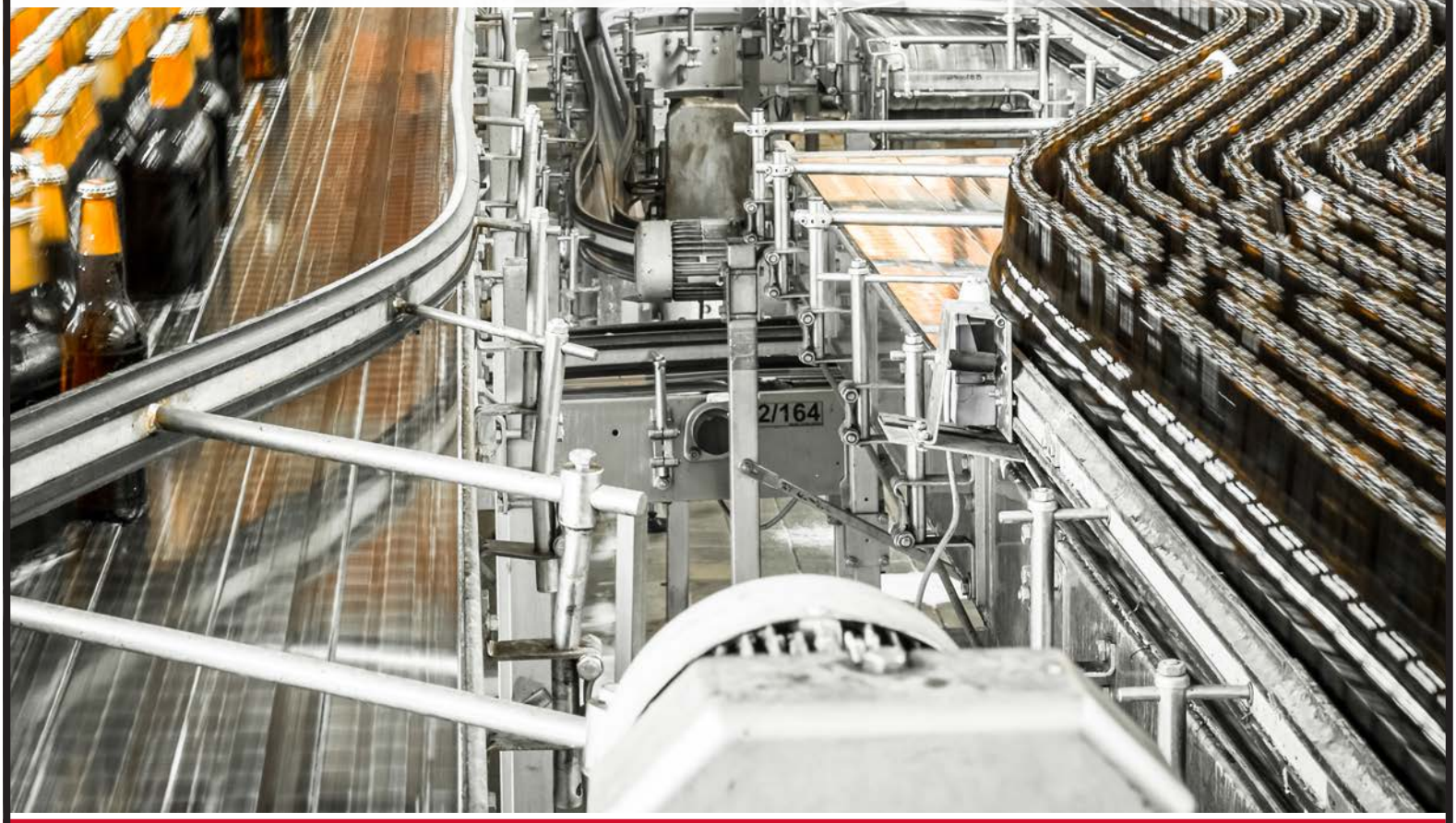
BOTTLING, BREWING & FILLING



Bottling, Brewing and Filling

Grizzly Supplies offers static and dynamic seals for all facets of bottling and brewing. We realize how costly downtime is, and we offer high performance materials in custom and off-the-shelf profiles.

Valves - O-rings, custom rod seals, valve seat seals, butterfly gaskets

Valve Stems - rotary seals, wear rings

Filling Valves - cylinder seal kits, rod seals & scrapers, wear rings, piston seals

Keg Fillers - keg seals for all stations, cylinder seal kits

Tanks & Vats - sight glass seals, tank gaskets, distribution manifold seals

Pumps / Motors - shaft seals, speedi sleeves, O-rings

Rotary Distributors – rotary seals

Couplers – static seals

Compensator Pistons – piston seals, rod seals, wear rings, scrapers

Piston Metering Pumps – rod seals, wear rings

Centrifuge Seal Kits - O-rings, special strips, wipers

Lines and Manifolds - tri-clamp gaskets, DIN seals

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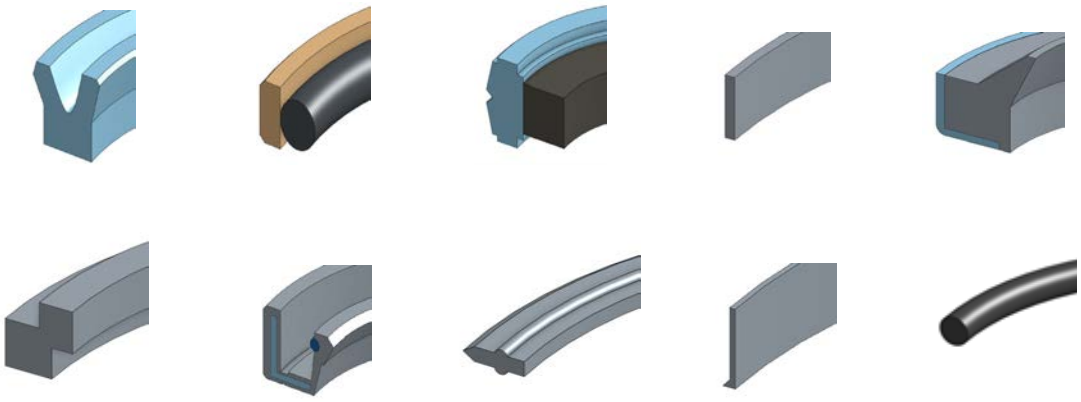

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BAKERY PRODUCTS

Bakery Products

Temperatures can be hard on bakery seals and gaskets. Grizzly Supplies offers special seal materials to withstand cold and hot temperatures seen in preparation and oven areas.

Conveyers - polyurethane belting, O-rings

Ovens / Warmers - gasket strips, silicone and foam

Piston Seals - silicone, FKM and buna materials

Strips - urethane, Teflon®, nylon

Gaskets - tri-clamp, metal detectable

Cylinders - seal kits, rod seals and scrapers, wear rings

Valves - O-rings, reseal kits, butterfly gaskets

Mixers - shaft seals, speedi sleeves, O-rings

Miscellaneous - speciality FDA / high temperature greases

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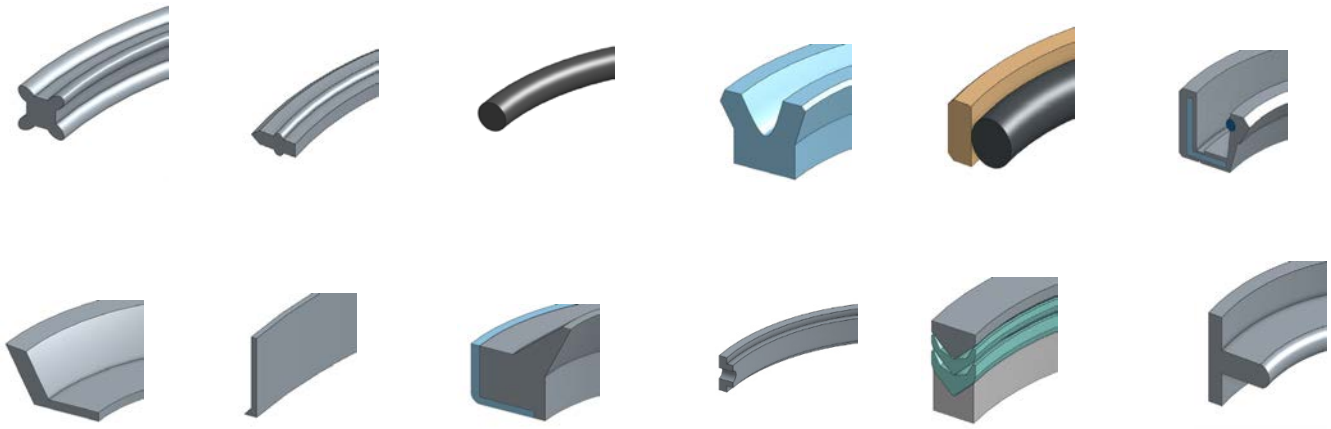

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DAIRY

Dairy

Grizzly Supplies has many seals for the dairy industry. Custom elastomer compounds allow CIP/SIP processes without degrading the seals. Custom-molded rubber parts, vacuum seals, cylinder and valve kits and special extruded strips for vacuum chambers and doors are examples of some of the services we can provide.

Centrifugal Pumps - O-rings, shaft seals, speedi sleeves

Cylinders - seal kits, rod seals and scrapers, wear rings

Valves - O-rings, reseal kits, butterfly gaskets

Homogenizers - piston chevron packing rings and cups

Towers - specialty O-rings

Vacuum Chambers - extruded sealing strip

Miscellaneous - slinger seals, mounting gaskets, tri-clamp gaskets, specialty FDA greases

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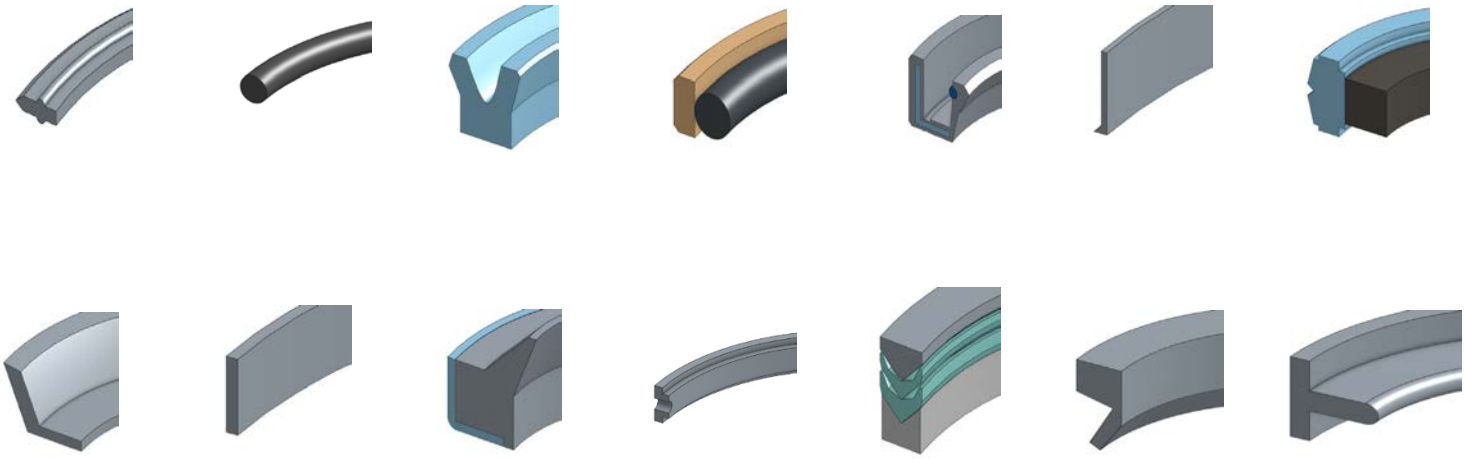

GRIZZLY SUPPLIES

MEAT, FISH & POULTRY PROCESSING

Meat, Fish and Poultry Processing

Meat, fish and poultry processing and packaging factories use a wide variety of different seals in patty machines, fryers, conveyors, packaging machines and other specialized equipment.

High sliding speed & pressure are the demand in the meat cutting and processing units. Hydraulic and pneumatic seals are used in hide puller machines, meat cutters, moving platforms, lifting jacks, and stubbing machines. Rotary seals are found in carcass splitting and dehairing machines and in tripe cleaners.

Cutters - shaft seals, O-rings

Grinders - shaft seals, O-rings, and TFE strip

Mixers / Stuffers - shaft seals, O-rings, seal kits

Ovens - special extruded strip and gasket material

Patty Makers - O-rings, shaft seals

Valves - tri-clamp gaskets, butterfly valve seals

Pumps / Motors - shaft seals, speedi sleeves, O-rings, reseal kits

Miscellaneous - metal detectable O-rings, specialty FDA greases

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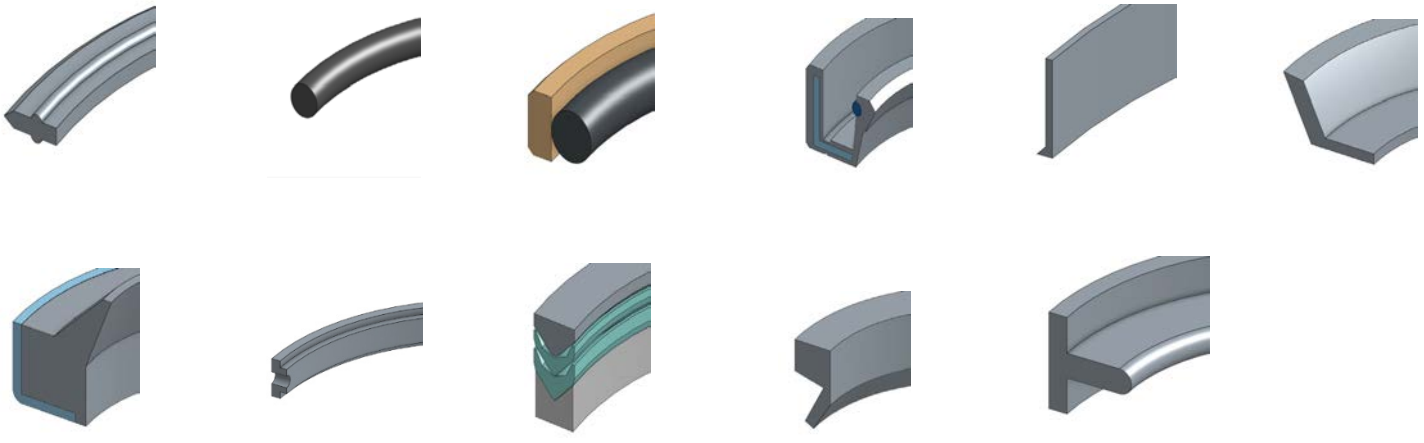

GRIZZLY SUPPLIES

PHARMACEUTICAL

Pharmaceutical

Production for pharmaceutical industries is done under sanitary, high-speed conditions. Grizzly Supplies recognizes the unique abrasive properties of pill manufacturing and offers special self-lubricating and durable materials.

Tablet / Pill Making Machines - wipers, shaft seals, O-rings, seal kits

Liquid Capsule Production - TFE v-packing, wipers, shaft seals, reseal kits

Pumps and motors - shaft seals, speedi sleeves, O-rings, reseal kits

Valves - shaft seals, cups, O-rings

Gearboxes - wipers, cups, shaft seals, O-rings

Miscellaneous - extruded strip, O-ring cord, specialty FDA greases, tri-clamp gaskets

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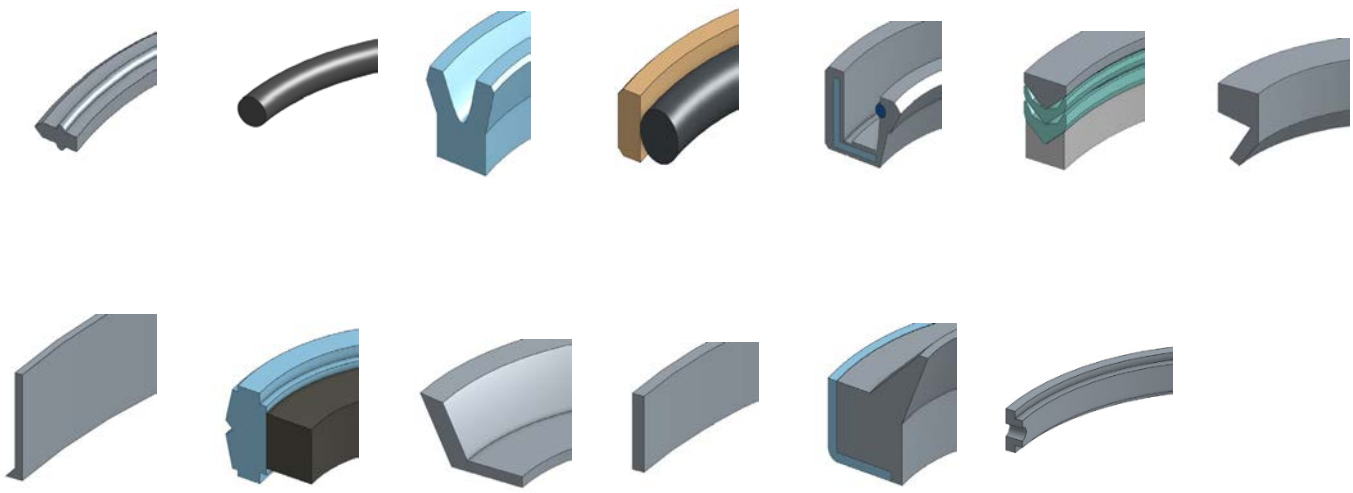

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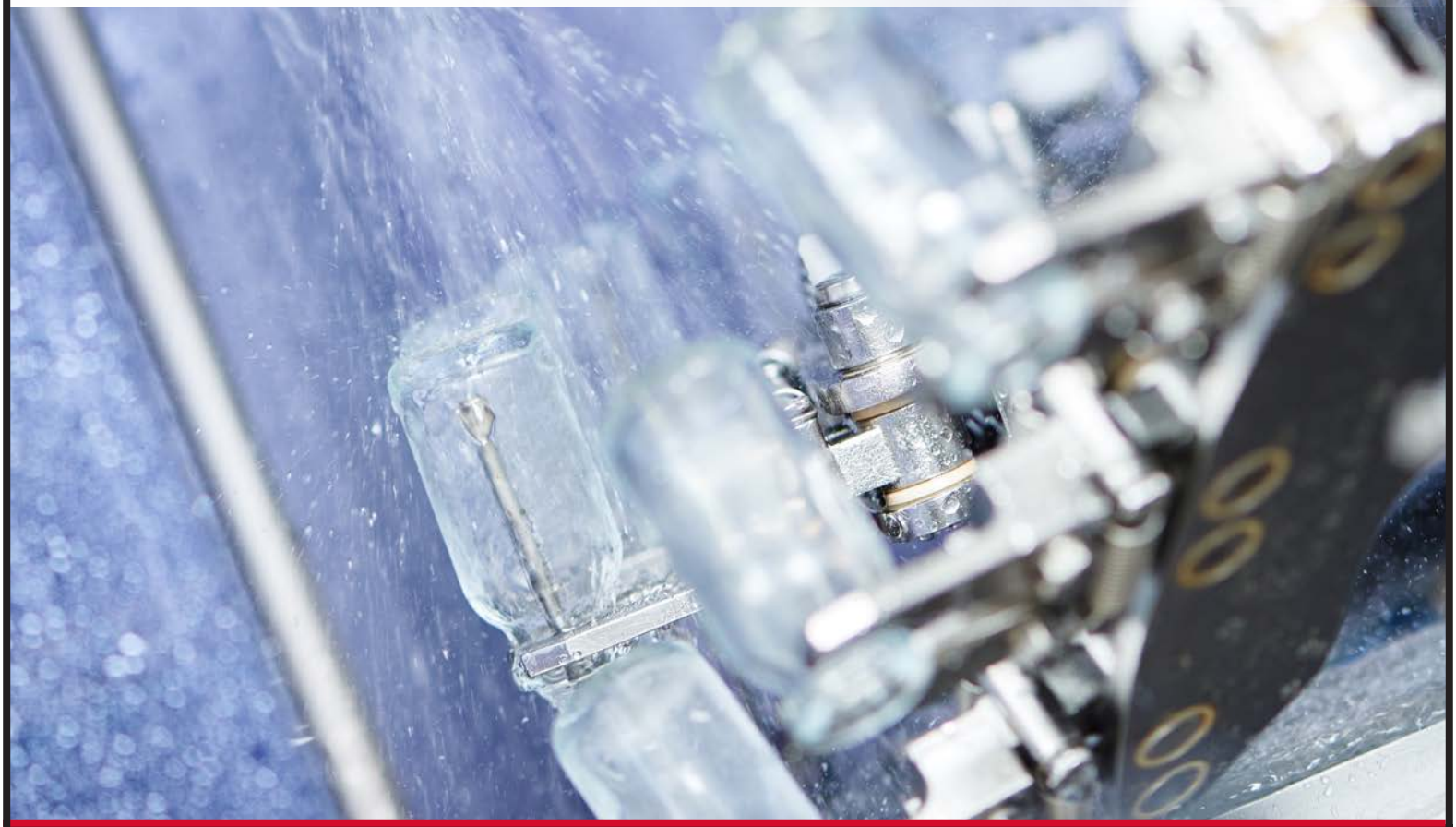
AGGRESSIVE FLUIDS



Aggressive Fluids

CIP (Cleaning in Place) and SIP (Sterilization in Place) are the general methods for cleaning processing systems. This process ensures decontamination and cleaning are up to industry standards.

Sealing materials should be compatible with the chemicals used in CIP & SIP processes.

Below is a basic chart showing cleaners and their recommended materials. Please contact us for more applications.

Compatibility Chart

CHEMICAL	CONTENT	NBR	FKM	EPDM	SILICONE	URE	PTFE
Chlorinated Alkalies	Caustic Soda (Mild)	0	X	R	0	X	R
Strong Alkalies	Caustic Soda (Strong)	0	X	R	0	X	R
Strong Acid	Nitric Acid	X	R	X	0	+	R
Sanitizer	Sodium Hypochlorite	0	R	R	0	+	R
Steam	-	X	X	R	X	X	R

Legend: (R) Recommended (0) Usually OK (X) Not Recommended (+) Insufficient Data

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GRIZZLY SUPPLIES

Hydraulic & Pneumatic Seal Kits & Seals

At **Grizzly Supplies**, we specialize in high performance seal kits and sealing solutions for the mobile equipment market. We are the authorized dealer for SKF and Hallite seals. We have thousands of replacement seal kits available.

Face Seals

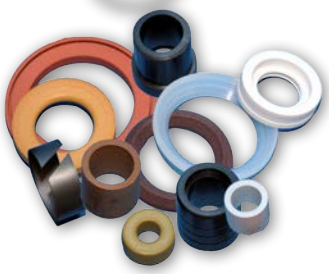
Grizzly Supplies can provide face seals for all applications. We carry a full line of premium quality SAP face seals for axles, wet brakes, planetaries & final drives. Whether it is for an excavator, haul truck, tractor or forklift, we have the face seals you are looking for.

Oil Seals

Sizes and styles in metric and inch, including high-pressure and special materials. **Grizzly Supplies** is an authorized SKF shaft seal distributor.

Machined Products

Grizzly Supplies offers custom machined products in a wide variety of materials. From U-cups to wear rings, we work quickly to produce parts that stand up to extreme temperatures & environments.



Molded Products

Grizzly Supplies can produce custom molded rubber products in large and small batches. From pharmaceutical to food service to industrial applications, ask us for a quote.

Lubricants

Grizzly Supplies is the authorized supplier for high performing specialty greases & lubricants from Huskey Lubricants. We have a selection of biodegradable & food grade products available.

Thread & Bolt Seals

Used to seal threads and bolts from leaking, **Grizzly Supplies** stocks these buna and steel washers in many metric and inch sizes.

Stamped & Hand Cut Gaskets

Grizzly Supplies can produce stamped and hand cut gaskets, both elastomeric and composite. We can reproduce your old gaskets or create custom gaskets in small and large batches for a variety of applications.

DU Bushings

Used as rod guides on many inch and metric cylinders, these PTFE-lined steel DU bushings are stock in many sizes. Call **Grizzly Supplies** today!

Pin Wipers

Grizzly Supplies offers an extensive range of premium inch and metric wipers. Many of our seal kits include these whereas the OEM kit may not.

Cap Plugs

Check out our comprehensive line of push-in and thread-on caps and plugs. Protect your hoses and ports with these economical parts.

Installation Tools

This 5-piece kit allows for easy installation of rod U-cups. **Grizzly Supplies** also carries tools and hooks to remove seals, packings and O-rings.

O-ring Kits

We carry a variety of O-ring assortments in inch and metric. Kits in different materials and durometers are in stock.

Honing Stones & PVC Tape

PVC tape for protecting surfaces not to be chromed is available from **Grizzly Supplies**, and check us out for an extensive line of honing stones.

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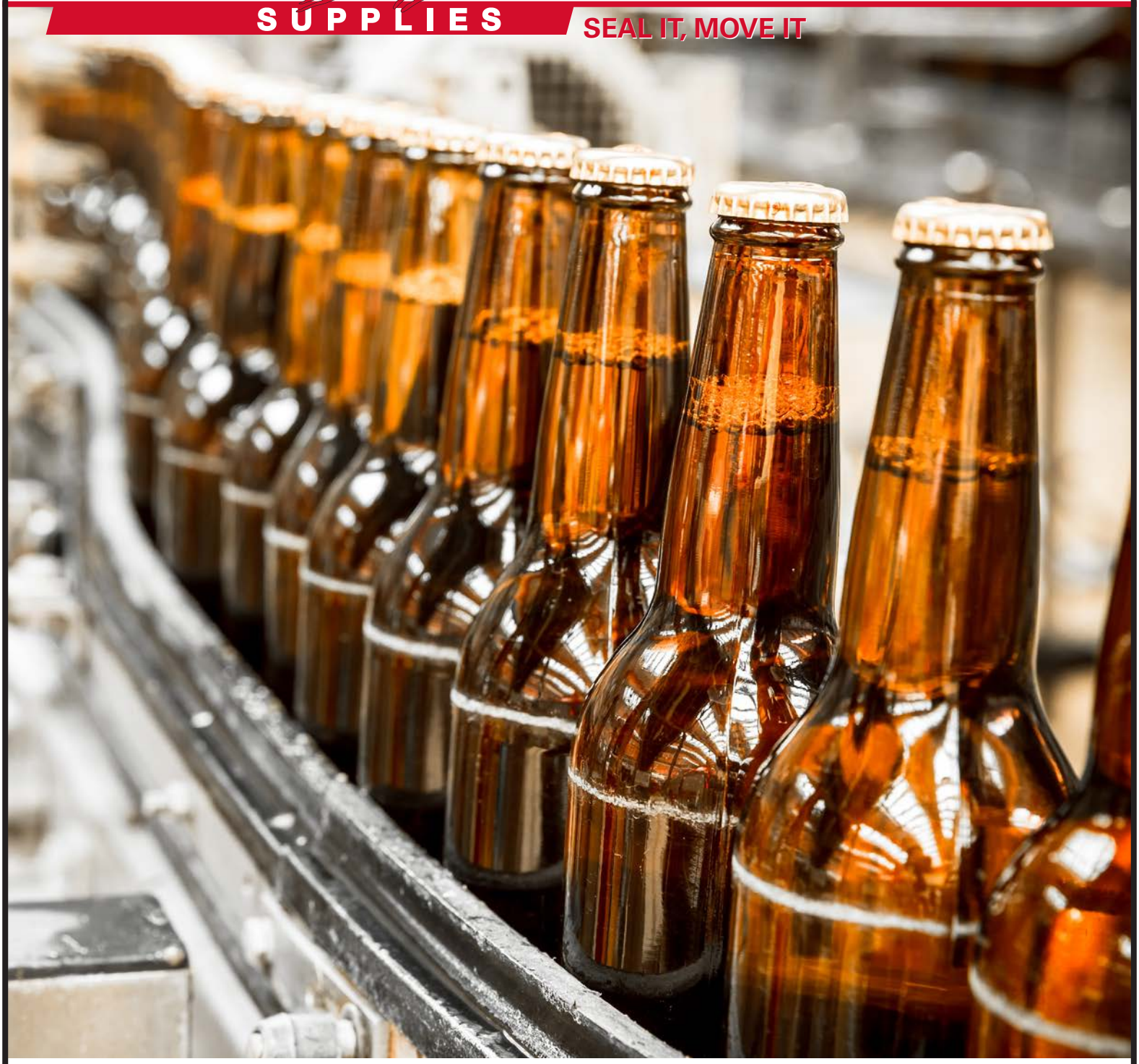

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