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**FDA Products for Industry**

## O-rings and clamps

For all fluid connections:  
Clamps, D-rings, SMS.



## Flat seals

Materials appropriate for isolating damp, vapours and environmental dirt on the internal parts of machines.



## Gas-operating springs and actuators

Used for maintaining the tension of polyurethane food conveyor belts and for opening tank lids.



## Chemicals

Lubricants, adhesives, sealants and cleaning agents appropriate for multiple maintenance operations.



## Special seals

Profiles made of materials resistant to vapour, hot water, alkaline cleaning and sterilisation products and designs that prevent the accumulation of food remains.



## Chains and belts

Renold Syno type, self-lubricating hygienic model that has a built-in lubricant (NSF H1, FDA). Gates Mectrol Posiclean polyurethane belts used in food conveyance processes. Their design has no cavities in which water can build up, thereby preventing the proliferation of bacteria.



## Bearings

SKF Y bearing units for food processing lines. They comply with the foreign object prevention standards (AIB Gold Standard, GMP, HACCP).










## Mounting hardware for hygienic-sanitary applications

Screws, hexagonal nuts made of 1.4404 A4-70 brilliant polished Ra<0.04 μ stainless steel and Hygienic Usit® washers (EHEDG certification). They prevent contaminant deposits and the formation of germs and bacteria, in addition to protecting your products from external influences.



The requirements in terms of safety and standards in processes carried out in the food, beverages and pharmaceutical industries are very strict. Control and cleaning processes are key aspects in guaranteeing a standard product that is not altered during any part of the process phase. With this objective, materials are used that comply with the different regulations in the sector (FDA, CE 1935, WRAS, etc.), thereby ensuring the safety of elaborated products (cosmetics, drinking water, milk, medicines, etc...), without risking the health of end consumers and also preventing halting of production lines.

Certification	Product	Materials	Sector
 <p>US federal agency responsible for guaranteeing the health and safety of foods</p>	<b>Mechanical seals</b>	Graphite, silicon carbide, aluminium oxide and stainless steel (AISI316) NBR, EPDM	Food and beverages
	<b>O-rings, aseptic seals and special profiles</b>	HPU, C-HPU, HNBR, EPDM, FPM, MVQ, POM, UHMW-PE, PTFE, PEEK	
	<b>Flat seals</b>	CR, SBR, EPDM, FPM, FPM Detectable, NBR, MVQ, NR, Novafalon 200, Novafalon 100, Novafalon 300, Novafalon 500, Gylon 3500, Gylon 3510, Novaform 2300	
	<b>Bearings</b>	The defective ring and lips of the -2RF model are made with an FDA-approved rubber compound	
	<b>Sliding elements</b>	Bushings and plates made of plastic materials	
	<b>Fastening elements</b>	Hygienic Usit® seal washers	
 <p>CE 1935 /2004 European Regulation applicable to materials in contact with foods. Mandatory</p>	<b>Mechanical seals</b>	Graphite, silicon carbide, stainless steel (AISI316) and EPDM	Food and beverages
	<b>O-rings and special profiles</b>	EPDM, HPU, PTFE	
	<b>Flat seals</b>	EPDM, MVQ, Novafalon 100, Novafalon 300, Novafalon 500, Ambition, Novaform 2300	
 <p>Defines specifications and best practices in designing, manufacturing, installing and using hygienic equipment</p>	<b>O-rings and special profiles</b>	FPM, MVQ, HPU, PTFE	Food and beverages
	<b>Fastening elements</b>	Hygienic Usit® seal washers	
 <p>Organisation responsible for regulating substances that may directly intervene in production processes in the pharmaceutical and food industries, among others</p>	<b>Flat seals</b>	Gylon 3500, Gylon 3504	Food and beverages
	<b>O-rings and special profiles</b>	HPU, PTFE	
	<b>Fastening elements</b>	Hygienic Usit® seal washers	
 <p>British agency responsible for determining the requirements for materials in contact with drinking water</p>	<b>Mechanical seals</b>	Graphite, silicon carbide and aluminium oxide	Drinking water
	<b>Maintenance products: PTFE tape</b>	DF175	
	<b>Flat seals</b>	MVQ, Premium XP, Basic, Universal	
	<b>O-rings and special profiles</b>	PTFE	
 <p>US standard that defines acceptable levels for contaminants and impurities that could become detached or originate from components and products in drinking water devices</p>	<b>Maintenance products: Anaerobic resins, cyanoacrylate adhesives, lubricants, putty, etc.</b>	AN 301-65, AN 301-72, AN 301-38, AN 301-48, AN 301-70, AN 301-43, VA110, DF175, Bio-fluid spray, Metal-fluid, ASW antiseize spray, plastic putty, copper, steel and stainless steel	Drinking water
	<b>Bearings</b>	Prelubricated with certified, high-performance SKF grease	
	<b>Polyurethane belts</b>	Gates Mectrol Posiclean	
 <p>Recommendations issued by the Germany Gas and Water Agency (DVGW) for organic materials in contact with drinking water (Kunststoffe und Trinkwasser) during their transportation and handling</p>	<b>O-rings and special profiles</b>	CHPU, EPDM, PTFE	Drinking water
	<b>Maintenance products: Anaerobic resins</b>	AN 302-43, AN 301-70, AN 306-20, DF175	
	<b>Flat seals</b>	EPDM, Premium XP, Basic, Universal, Special	

\*Some of the materials indicated in this table are special mixes. They are not supplied in standard form. Specify this information before placing the order.

## Mechanical seals

For centrifugal and multi-phase pumps, lobe and pumps, compressors, mixers, in standard sizes (EN 12756) and special sizes (custom-made), seals with a hygienic design that make it easy to clean the pump, etc.



## Services

Repairing of standard mechanical seals and mechanical seals with special designs. Repairing of pumps and motors in contract workshops, with proven experience.

