



**Typical Applications segments of OIL-FREE Bearings**

Application Segments	Application requirements	Polymer types	Product Profile	Main advantages
Cars and their components	Low coefficient of friction High wear resistance Vibration and noise absorption Reduction of weight	P-7, P-8, P-10, P-14.	Bearings and bushings also of special conformation	Weight and cost saving versus metallic solution. Long life/reliability
Textile machines and components of the textile industry	Dry operating Low coefficient of friction and high wear resistance in high sliding speeds conditions Operating in wet environment Chemical resistance Resistance to abrasion caused by dusty environments Low dirtying	P-2, P-8, P-10, P-15, P-25 Other special types	Standard and ad hoc bearings and bushings Lining of flexible rapiers Sealing elements Parts of special conformation	The range available offers the most suitable solution to answer the specific application requirements with standard or customized products
Packaging and packing machines	Dry operating Low coefficient of friction Food compatibility Reduction of installed weight	P-8, P-10, P-15, P-25	Standard and customized bearings and bushings Parts of special conformation	Dry operating capability Non-toxic No risk of contamination the handled products and of the plastic films used for packaging
Machines of the food industry	Dry operating Food compatibility / chemical inertness Abrasion resistance Mild counter-surfaces	P-10, P-15, P-25	Standard and ad hoc bearings and bushings Parts of special conformation Special seals	Dry operating capability Non-toxic No risk of contamination the handled products Low relative abrasiveness
Machine tools	Low coefficient of friction/ non stick-slip	P-8	Tapes 1.5mm thick, etched for bonding, for slide ways lining	Very low coefficient of friction in the specific operating conditions
Dry reciprocating compressors	Non lubricated or wet operating conditions High wear resistance Compression resistance	P-10, P-17, P-18	Piston rings Cup seals Bearer rings	Long lasting Self-energizing qualities Fatigue resistance
Valves and solenoid valves	Low deformation under load Chemical resistance Dimensional stability	P-8, P-10, P-15, P-17	Valve seats Solenoid valve shutters	Resistance to deformation under load also at high temperatures Chemical inertness
Bearing and sliding pads	Low deformation under load Absence of stick-slip Weathering resistance Long lasting life	P-2	Sheets and tapes cut to size 2.5 mm thick, etched for bonding	Resistance to deformation under load Stick-slip free operating Long life without appreciable wear

For further details contact:

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