



DURABLE CONSTRUCTION

Bearing in radial piston machines | Construction machines, hydraulics

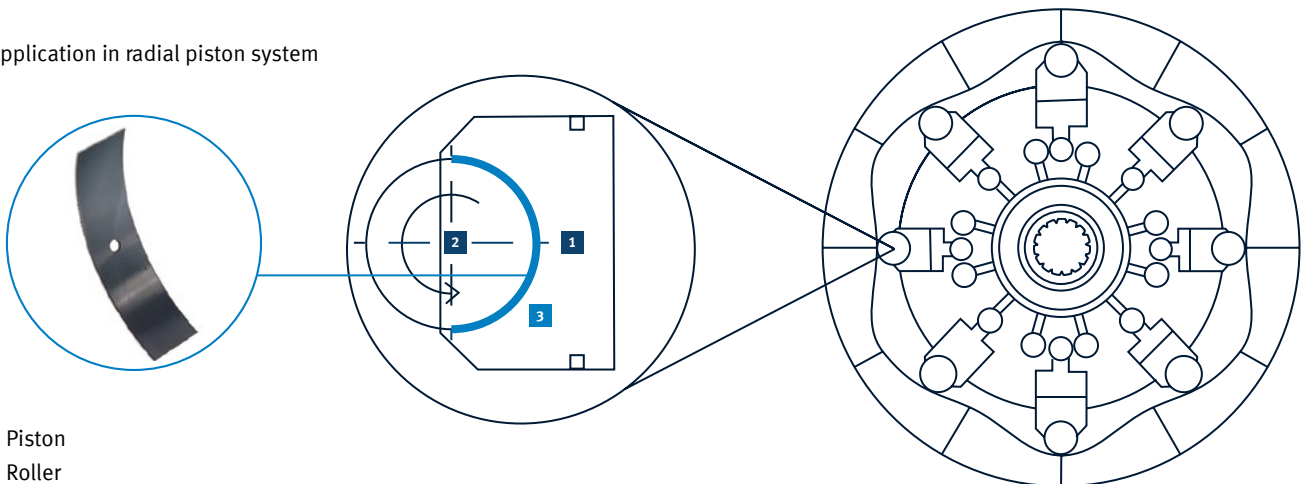
PRODUCT USED

KS Permaglide® half-shell plain bearings,
design PAX ... P23 / P203
Material: Permaglide® P23 / P203

FUNCTION

Radial piston machines are used in construction machines for crane rotation, for example. Radial piston engines generate very high torques at low speeds. It's a straightforward principle: the pistons are moved radially by hydraulics. Rollers transfer the radial force to a cam track, thereby transforming it into a rotary motion.

Application in radial piston system



- 1 Piston
- 2 Roller
- 3 KS PERMAGLIDE® half-shell plain bearings

DEMANDS

Pressure while only mixed friction is present. The working fluid is hydraulic oil.

ADVANTAGES OF KS PERMAGLIDE® P23/P203 PLAIN BEARINGS

- Smooth sliding surface, ready to install
- Low wear
- Insensitive to edge loads
- Good damping characteristics
- Insensitive to impact loads
- Good chemical resistance
- Leaded (P23) or unleaded (P203)

DESCRIPTION OF MATERIAL

P23 and P203 are special sliding materials offering high performance. They are designed for low-maintenance grease or liquid-lubricated applications. Materials P23 and P203 have smooth sliding surfaces and can also be used in hydrodynamic conditions.

Materials P23 and P203 are available on request.

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