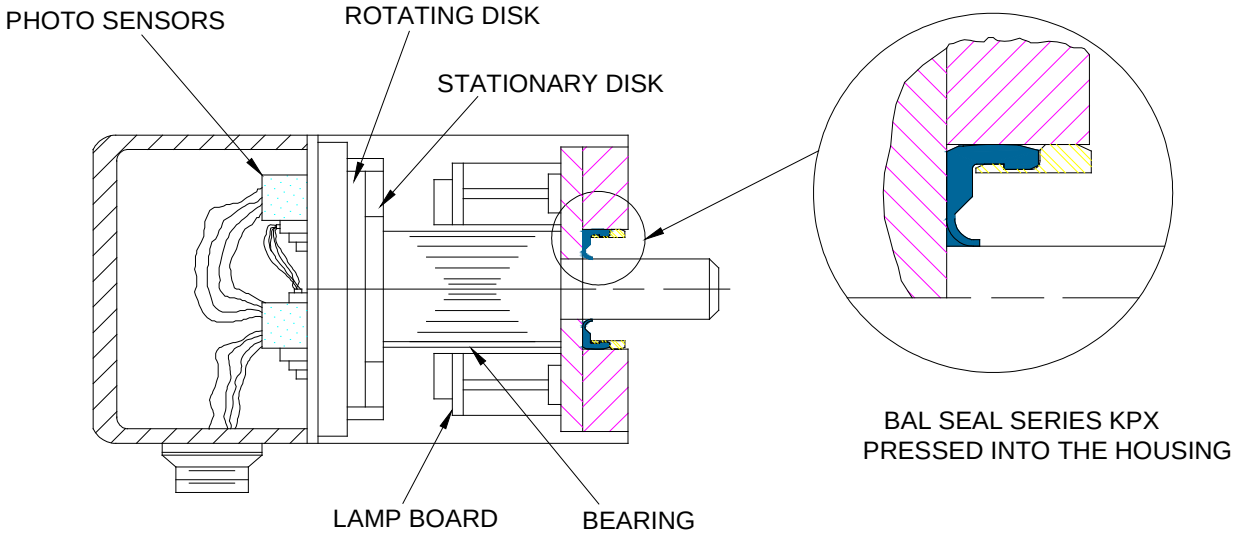
BAL SEAL® SPRING-ENERGIZED SEALS IN ROTARY OPTICAL ENCODERS

Optical encoders control other mechanical devices by transforming electrical signals into mechanical action. Optical encoders are used in a variety of applications, such as robotic controls, NC lathes, disk drives, medical instruments, and welding equipment.

The optical encoder uses carefully aligned photoelectric sensors placed in front of a rotating disk that acts as a shutter. A light behind this disk provides the signal that is picked up by the sensors.

The KPX series Bal Seal® spring-energized seal closes off the rotating shaft and protects the precision encoder components from damage by outside environment elements such as water and dust.



Operating Parameters:

Media:	Dust
Friction:	Very low
Speed:	3,600 rpm
Additional:	Low frictional torque and easy assembly

Seal Selection: KPX

Features:

Bal Seal polymer-filled PTFE provides good wear resistance and low friction, and works well in non-lubricated environments.

For more information and technical assistance, consult the Technical Sales Department.

U.S. Address 19650 Pauling Foothill Ranch, CA 92610-2610 • Telephone: (949) 460-2100• Fax: (949) 460-2300
BV Address: Jollemanhof 16, • 1019 GW Amsterdam • The Netherlands • Telephone: 31 20 638 65 23 • Fax: 31 20 625 60 18
Bal Seal Engineering, Inc. is certified to ISO 9001
www.balseal.com

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