Specialists in Seals & Service

Hi-Tech Seals Inc.®

High Speed Rotary Shaft Seal

Type: L2M

Hi-Tech Seals' L2M rotary shaft seals have been developed specifically for the severe operating conditions encountered in the rolls of paper making machines, hot and cold rolling mills, heavy industries, and where high speed and misalignment are encountered. The life and performance of a lip seal is largely dependent upon the preload of the sealing lip on the shaft. In this respect the L2M design offers a significant advantage over conventional garter spring seal types as a result of its highly elastic garter finger spring combination.

This dual spring design provides increased tolerance to shaft alignment issues. A clamped helical spring retains the coiled spring in place against the sealing element. This design also helps the user properly install the seal without the spring coming free in the seal groove.

Speed	up to 115ft/sec		
Max. Misalignment	up to 0.09 inches		
Material	**Temp. Range**		
Nitrile (NBR)	-40°C/-40°F	to	120°C/248°F
Fluorocarbon (FKM)	-26°C/-15°F	to	204°C/399°F
Silicone (VMQ)	-65°C/-85°F	to	232°C/450°F
Hydrogenated Nitrile (HNBR)	-40°C/-40°F	to	160°C/320°F

Hi-Tech Seals' standard L2M oil seals are composed of a steel case, stainless steel spring, and nitrile lip. Other elastomers including Viton™/ fluorocarbon, hydrogenated nitrile (HNBR), and silicone are availbale upon request. L2M oil seals are available in a minimum shaft diameter of 180mm (7.086") to a maximum of 2000mm (78.740"). For shaft diameters ranging from 98mm (3.875") to 177mm (7.000"), Hi-Tech Seals offers a L1M oil seal.

Benefits:

- High Speed
- High modulus of elasticity
- High wear resistance
- Low compression set
- Stainless dual spring design
- Press-fit design
- Consistent spring force
- Consistent spring location
- No weld seams
- Machined O.D