

# Other fluid power applications

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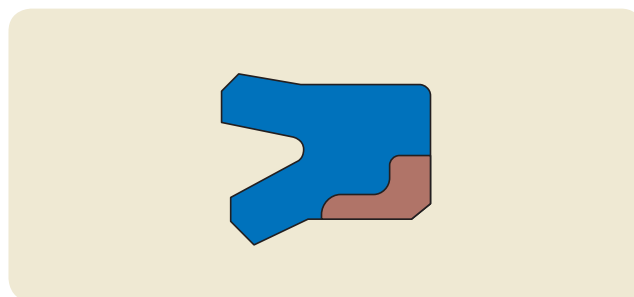
## Other fluid power applications

*This catalogue contains the standard assortment of SKF hydraulic seals and guides typically used in hydraulic cylinders. Furthermore, SKF provides a wide range of standard and customized sealing solutions for a variety of other fluid power applications. In this chapter, you find some examples of these capabilities. For a solution that best meets the demands of your application, contact SKF.*

### Hydraulic rock breaker hammers

Hydraulic rock breaker hammers are a demanding application requiring hydraulic reciprocating seals working in short strokes and extreme high velocity.

SKF has many special solutions for rock hammers, including TEFLATHANE seals with a special high-temperature polyurethane U-cup seal that is bonded to a low-friction PTFE anti-extrusion ring to extend service life for significant maintenance savings.



## Hydraulic presses

Each hydraulic press application is unique and should work reliably for many years without costly downtime or expensive repairs. SKF has decades of experience developing and manufacturing customized press sealing solutions for original equipment manufacturers, as well as retrofit assemblies for existing equipment.

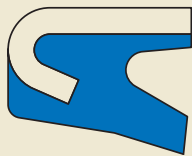
With moulding and machining capabilities and virtually unlimited diameter range, SKF can customize and manufacture sealing solutions to optimize system performance and decrease operating costs.



## Hinge pin joints

Hinge pin seals retain pin joint bearing lubricants and exclude contaminants on off high-way equipment that operates in harsh outdoor environments across all climates and weather conditions.

PAK-L press-in seals are optimized for demanding pin joint applications. The wear resistant polyurethane seal materials reduce relubrication intervals and extend both seal and hinge joint bearing life. In addition, SKF has experience developing customized pin joint seal solutions.

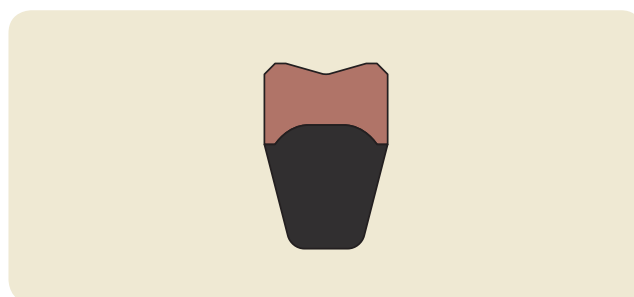


## Other fluid power applications

### Rotary unions

Rotary unions (also known as rotary manifolds or swivel joints) accommodate the flow of fluids between machine components with relative rotating or oscillating motion. They convey gases, lubricants, coolants and working fluids for fluid power.

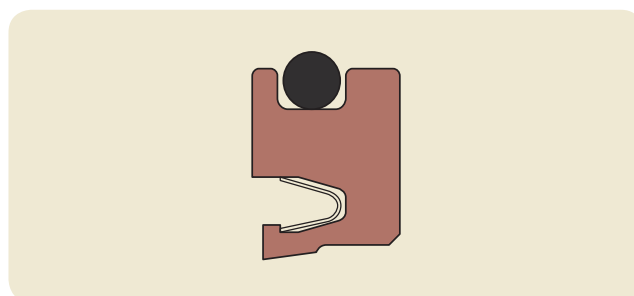
SKF has sealing solutions and capabilities to accommodate virtually any rotary union application. The IM profile seal for hydraulic rotary manifolds is optimized for low friction and is available with a bonded energizer to improve energy efficiency and extend service life.



### Hydraulic motors

Hydraulic motors rotate with high torque from high-pressure hydraulic fluid flow. Certain motor designs and applications require the shaft seal to handle high pressure. The demands for higher power, efficient operation and long life require other solutions than typical rubber shaft seals.

SKF designs and develops customized high-pressure PTFE shaft seals for hydraulic motors for reduced friction and wear to support energy saving and extend service life.



# Pneumatic fluid power applications

Special gas-sealing applications with high pressure, high speed, extreme high temperatures, cryogenic low temperatures or special gases place high demands on pneumatic seals. SKF can provide customized solutions that meets your most demanding pneumatic sealing needs, designed specifically to enhance reliability and performance in your application.

