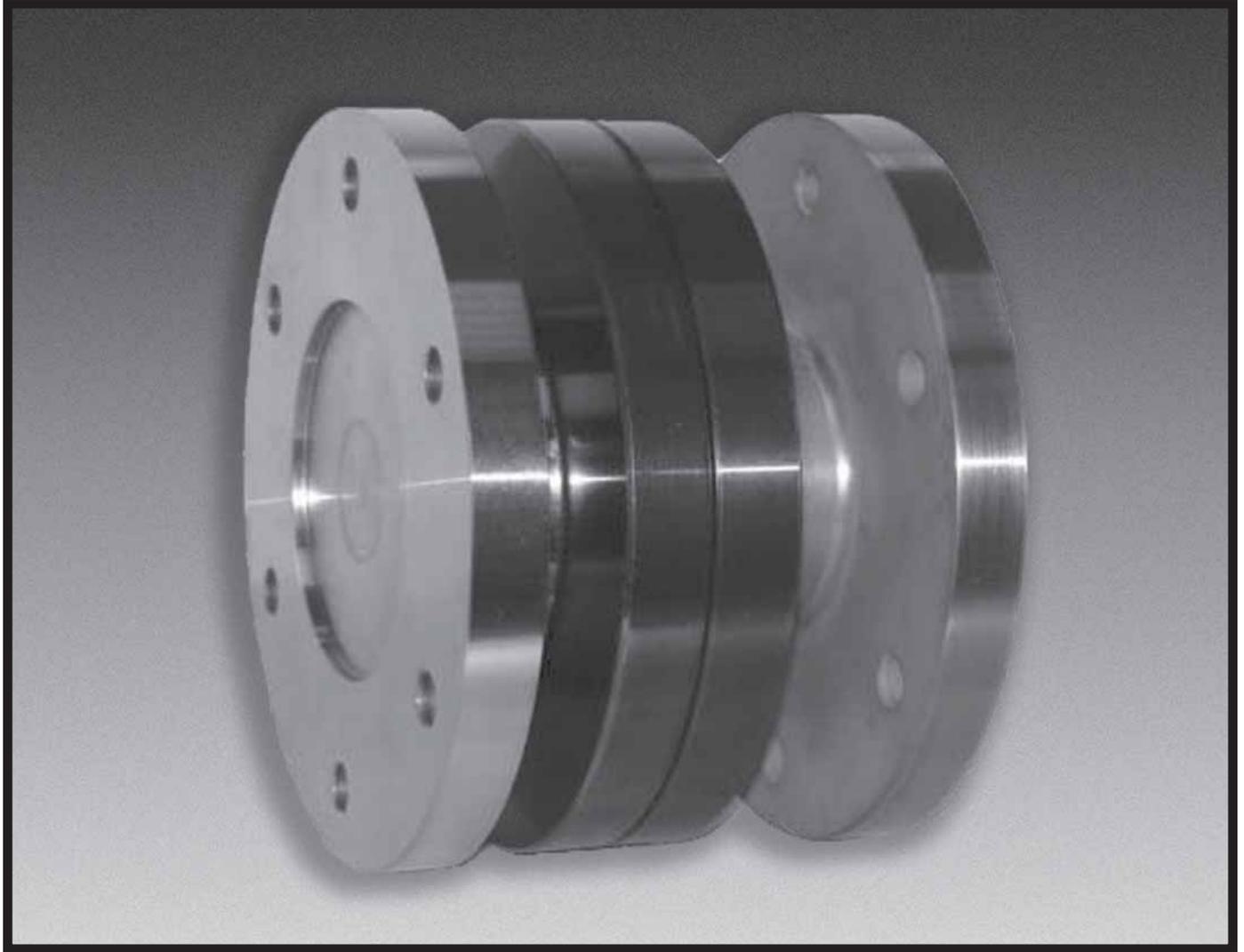


PEAK SHAVER



The Riverhawk Peak Shaver allows for the design of equipment shafting closer to the needs of the process as opposed to designing for large, sometimes unpredictable overload conditions. This freedom will lead to more compact, lower cost designs. The Riverhawk Peak Shaver protects rotating equipment from instantaneous torque spikes.

Key advantages of the Peak Shaver:

- Eliminates equipment damage due to instantaneous torque spikes
- Can reduce cost and size of original equipment
- Drives through torque spikes
- Re-grips automatically
- Simple, Compact and Power Dense



OVERVIEW

Here is how it works

The Riverhawk Peak Shaver is a hydraulically activated device that becomes part of a complete coupling system. It works with a flexible coupling to help protect machines from transmitting unwanted forces. The Peak Shaver can either be mounted on a shaft where it would replace a hub or it can be mounted between shafts as a spacer piece.

Under normal operating conditions, the Peak Shaver transmits 100% of the shaft power from the driving shaft to the driven shaft, providing protection when one of the machines experiences a

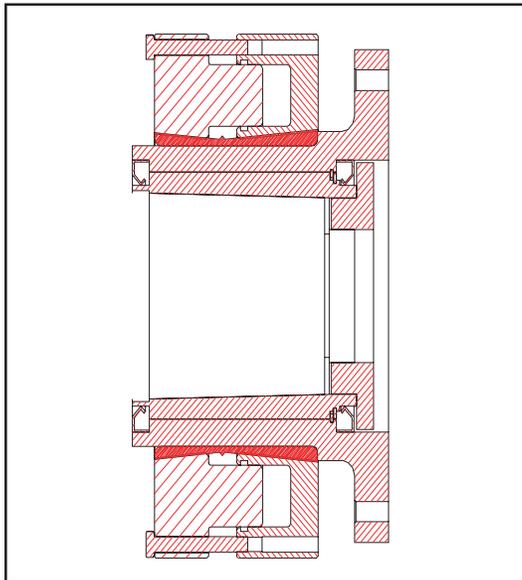
sharp spike in torque. When a spike occurs, internal parts slip relative to one another allowing the two shafts to continue their rotation. After the torque spike has passed the Peak Shaver then re-grips and once again transmits the normal torque to the load machine.

The Riverhawk Peak Shaver shares its technology with the Riverhawk Torque Blocker. The Peak Shaver differs in that it is designed to drive through short duration torque spikes while the Torque Blocker will completely release to protect against torque steps.

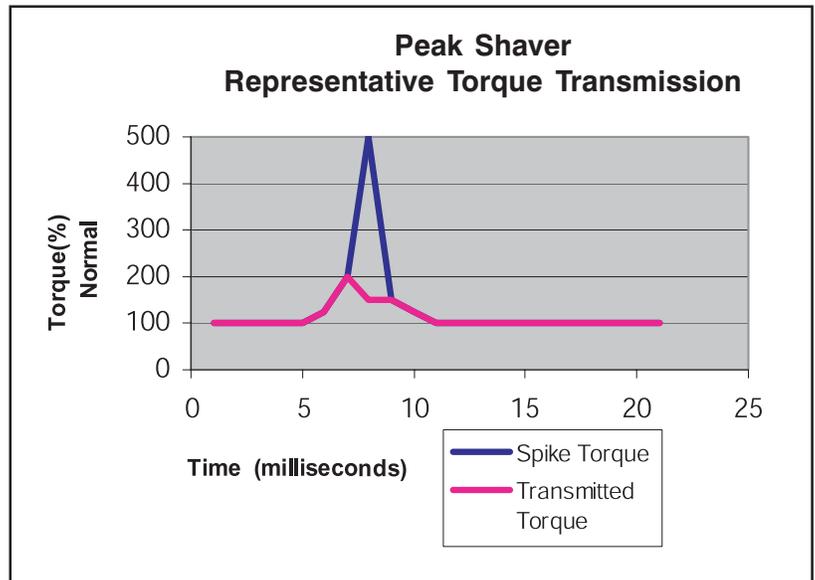
Principle of operation

The Riverhawk Peak Shaver is a compact, high power density clutch type device consisting of an inside and an outside sleeve. The sleeves are clamped together by a Riverhawk Hydraulic Torque Coupler (HTC). The Peak Shaver is locked by applying hydraulic pressure and setting the HTC. The HTC tightly squeezes the internal parts together so the unit operates as a solid assembly.

When a torque spike occurs, the internal friction surfaces slip allowing the shafts to rotate with respect to one another until the spike passes. Then, the unit re-grips and allows continued operation.



Cross Section view of a shaft mounted Peak Shaver



Riverhawk Company, an engineering driven manufacturer, specializes in hydraulic shaft joining technologies. We meet the daily challenges of the rotating equipment industry by offering auxiliary equipment such as air driven and manual hydraulic pressure kits and pusher piston cylinders for the installation of coupling hubs, thrust discs, and compressor wheels. Riverhawk also designs and manufactures hydraulically tensioned studs and nuts, tensioning tools, hydraulic nuts, and plug and ring gages. We also provide source inspections and training seminars. Our equipment is proudly supplied to the top OEMs and end users of the turbomachinery industry. Riverhawk is a member of the American Petroleum Institute (API) and sits on the coupling committee of the American Gear Manufacturers Association (AGMA).

For more information about Riverhawk's Peak Shaver or any of our other products and services call:



215 Clinton Road, New Hartford, NY 13413
Phone: 315-768-4855 Fax: 315-768-4941
sales@riverhawk.com <http://www.riverhawk.com>