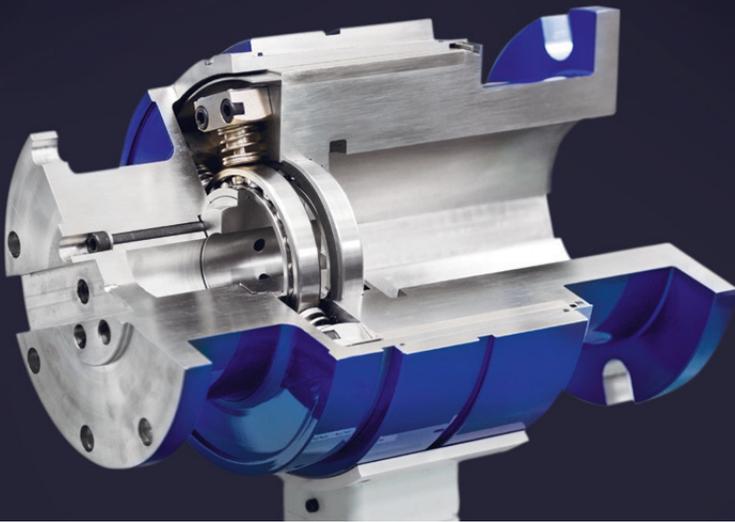


Process Improving Coupling with Automatic Reset. AutoSet



AutoSet is a process improving coupling with controlled slip and automatic reset to improve performance and minimize production stoppages. It handles dynamic torque peaks of short duration without release. The coupling is completely automatic and the self-reset function maximizes production uptime.

Operation

AutoSet reduces high torque peaks by slipping up to 180 degrees without releasing. If the torque peak has a longer

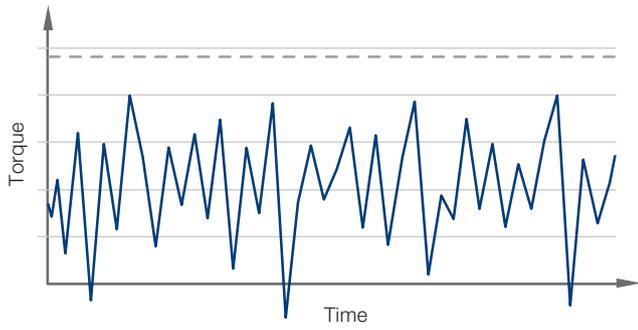
duration the AutoSet will release entirely and limit the torque. A friction grip is created by a hydraulically adjustable tapered sleeve that generates the preset torque level. If the set torque is exceeded, the coupling slips and limits the torque with an accuracy of +/-10% during standard performance. After release the coupling automatically resets itself to the full preset torque level and no manual handling is needed. This avoids lengthy stoppages in production. Torque capacity available between 0.41 to 275 kNm.

Coupling and function Features

Benefits

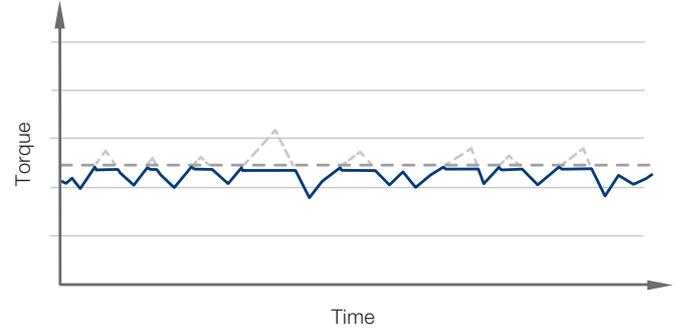
<p>AutoSet Process improving coupling with controlled slip and automatic reset</p>	<p>Accurate release torque</p>	<p>Increases production uptime Due to precise point of release that gives higher safety margins in the production level, higher out put of the driveline and less repair of drive equipment</p>
	<p>Compact and flexible design</p>	<p>High utilization of investment Due to optimized driveline design – no need of changes in your existing driveline and can be positioned anywhere to maximize the driveline</p>
	<p>Instant torque limitation in overload situations</p>	<p>Protects your driveline from expensive standstill costs Due to minimized risk of overload and minimized delay time in production</p>
	<p>Adjustable release torque</p>	<p>Minimizes additional cost in the event of a upgrade of the driveline Due to adaptability to the existing driveline design and specific application requirements</p>
	<p>Back-lash free power transmission</p>	<p>Minimizes cost of repair Due to protection against wear on other parts in the driveline</p>
	<p>Set torque remains constant over time</p>	<p>Continous production process Due to no unwanted releases and reduced repair time</p>
	<p>Quick and easy resetting</p>	<p>Minimizes standstill and downtime</p>
	<p>Limitation of short peaks without release</p>	<p>Improves production uptime Due to no resetting needed for short peak event</p>
	<p>Automatic resetting of slip angle</p>	<p>Lower maintenance cost Due to no manual resetting needed</p>
	<p>Complete disengagement during a long peak event</p>	<p>Less investment cost Due to no additional equipment needed</p>
<p>Automatically resets itself to the preset torque limit after a longer overload/complete blockage</p>	<p>Improves production uptime Due to continous operation even during an overload event</p>	

Without AutoSet



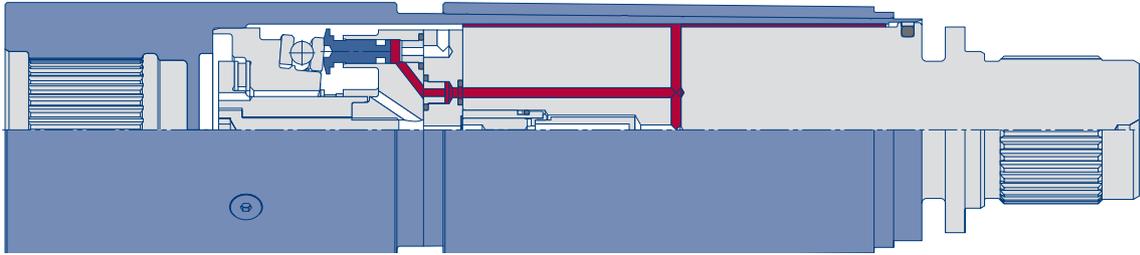
- Release torque with a shear pin coupling
- Torque peaks during production

With AutoSet

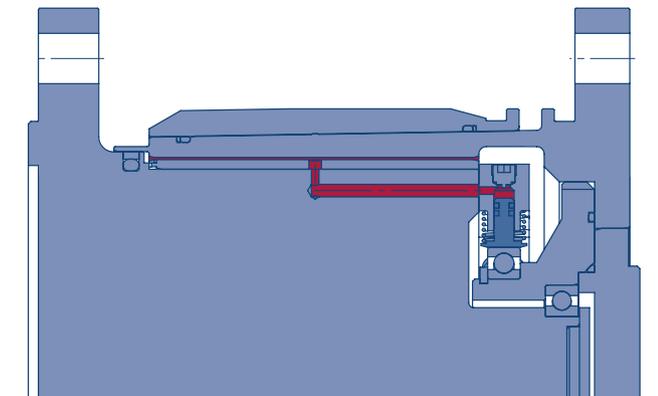


- Release torque slip
- Torque with AutoSet

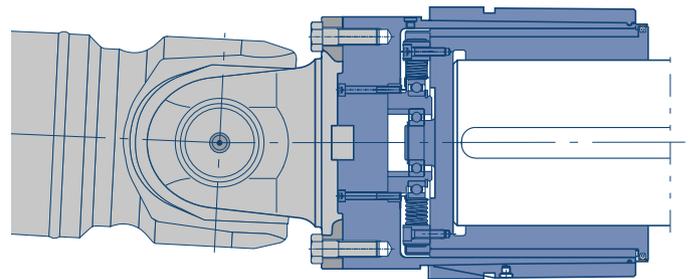
SA-I for gear spindle



SA-P, flange to flange connection



SA-F, shaft to flange connection, installed on the output shaft of the pinion gearbox



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