



ATRA-FLEX®- Large Enough to Handle your Toughest Applications, Small Enough to Care.

**APPLICATION:** Couch roll at a large paper mill

**INDUSTRY:** Pulp and Paper

**ISSUES PLANT WAS FACING:** The Falk gear couplings were failing every 3 months to one year. Every time they failed they had to replace the entire coupling. The customer wanted to get away from greased couplings completely which creates the need for frequent coupling inspections which are timely and labor intensive. The couplings then need to be re-greased, thus increasing plant maintenance and downtime expenses.



**APPLICATION DETAILS:** 377 HP @ 180 RPM **COUPLING INSTALLED:** T8 1018 Carbon Steel Floating Shaft with our corrosion resistant Melonite™ Flex Hub and Drive Ring. Torque Rating 262,600C/ 350,480P with Yellow HD Insert with Temp Range (-60/250)

**SOLUTION:** Increase reliability and uptime by replacing failing gear couplings with ATRA-FLEX® T8 Floating-shaft Coupling. By switching to ATRA-FLEX® customer saves on maintenance time which =maintenance dollars spent. There is no need to move equipment when replacing elastomeric insert. Customers have removed high maintenance and messy lubrication as well as lengthy gear coupling repairs. Once an ATRA-FLEX inserts shears you have no metal to metal parts, eliminating the need to replace hubs.

**REFERENCE ON PERFORMANCE:** New ATRA-FLEX Coupling has been running smoothly now for 6 months with no insert wear. Maintenance crew could now inspect our inserts in a matter of just minutes and if insert replacement was necessary, it would take just a fraction of the time it would have taken if the Falk gear coupling was still being used. Our T-FLEX® allows for more dampening and misalignment capabilities. It also acts as a weak link in the system that was previously missing. A Falk gear coupling will often provide MANY times the amount of torque transmission than necessary in any given application. In the event of an equipment lock up, the gear coupling will not be the weakest link...leaving much more expensive pieces of equipment vulnerable to damage or destruction.

*Email update from long term ATRA-FLEX® Sales Representative Ryan Fallon of RMS Industrial Sales, LLC*

On 11/14/2018 we installed a T8 jack-shaft coupling on a couch roll at a large paper mill in WI. I was at the mill today and the coupling is performing great and everyone at the mill is extremely happy. They intend to next change out all of the other gear couplings on PM1 (paper machine 1) and then move to PM2, PM3 and PM4. They will also be working on pulp applications in parallel (pulpers, refiners, lime agitators, sludge agitators and fans). This was a huge success and the customer is very happy. Just wanted to share with you and I got some pictures of our coupling today as well if they help.

Thank you,

Ryan Fallon  
Sales Representative

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**RMS INDUSTRIAL SALES, LLC**

For questions regarding this application, please contact technical support @ 800-443-6613

