

ATRA-FLEX®

Flexible Couplings



Industry: Pulp and Paper

CASE STUDY

Customer: Pulp and Paper Mill, Biron WI

Application: Winder

Description: Winds the paper up onto a roll and the coupling was between the gearbox output and the roll

Problem: Customer was using a Falk Airflex 33A coupling on an Opri-Reel Drive assembly. The Airflex coupling was becoming more expensive and with a longer lead-time to get repaired or replaced. The customer was looking for another solution and was familiar with Atra-Flex from other applications, but there was very limited space to fit an Atra-Flex and the bolt patterns for the Airflex were much different than a standard Atra-Flex configuration.

Solution: Atra-Flex designed a custom T-Flex coupling that dropped in for the Airflex coupling. The Flex Hub and Ring Hub both incorporated a flange with mounting holes that mount onto the existing hubs. The T-Flex was shortened so that it is the same length as the Airflex. The T-Flex also had a clearance hole machined in the middle of the flex hub to clear a retaining nut that holds the gearbox hub on the gearbox output shaft. In the end this should provide the customer with a more reliable coupling that is easier to maintain and will save them upfront cost as well as significant long term costs in repairs (Atra-Flex Insert vs. Falk costly repair).

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Application- pulp- paper - winder on Opri wheel case assembly
T7 Custom Flange Coupling