

HIGH SPEED WIND COUPLINGS

Lovejoy now has over 100 disc couplings in operation in the 1.X MW space with plans to expand into 2.X+ MW space. Lovejoy has a variety of design solutions prepared to fit customer-specific needs in the 1.X MW range and below. For larger ratings or more unique requests, we can work to develop a personalized solution.

- Interchangeable with existing Flender & KTR units (GE Unit) for full fleet coverage
- Integrated anti-flail device to prevent coupling spacer ejection during a catastrophic event
- Commonly stocked disc pack units for quick replacement (lower production loss)
- Integrated electrical isolation joint to help prevent generator eddy current damage to gearbox bearings
- Eliminated bonded joints to prevent low temperature delamination
- Coupling shipped in sub-assemblies to permit easy transportation around and within the nacelle for installation
- Able to reuse existing brake disc unit
- Interfaces with all existing generator & gearbox hubs (permits mixing & matching of hub models on a turbine)

1.X MW Coupling Availability

- Mitsubishi 1MW
- GE 1.5/1.6/1.75 MW
- Vestas V80 1.8 MW

600/660 kW Coupling Availability

- Mitsubishi 600 kW
- Vestas V47 660 kW

