

Warner Electric

Warner Linear

Matrix International

Electric Clutches and Brakes for Wind Turbines



Warner Electric, Matrix International, and Warner Linear

provide a full range of electromechanical brakes and linear actuators for industrial applications. We specialize in customized solutions to meet the specific performance and installation requirements for each market.

Between these three brands, we have over 60 years experience delivering technically advanced, cost effective braking and positioning systems. We offer production, engineering and application support from our facilities in Europe, the US, and Asia.

But it doesn't stop here... additional power transmission products – including hydraulic pneumatic brakes, high-performance couplings, and overrunning clutches, are available from our sister companies within Altra Industrial Motion.



ERD by Matrix International

ERD Series line of electrically-released, dynamic, spring-set brakes offers a high-performance, cost-effective solution for power-off load holding applications. Designed for dry environments where a severe and dependable braking action is required. Torque range from 4 to 220 lb.ft.



Custom Design Clutches & Brakes by Warner Electric

These basic, low cost electric units are user assembled from individual clutch and brake components. 45 clutch-brake models; 3 motor brakes. Torque range from 5 lb.in. to 1350 lb.ft.



Electrically Released Brakes by Warner Electric

Spring-set designs are available for stopping or holding a load in the event of a power failure; or choose permanent magnet designs for dynamic stopping.



Custom Actuators by Warner Linear

Our broad range of standard actuators can be custom configured to meet specific applications including special pin to pin and stroke lengths, special end fittings, mounting brackets, paints, and lead wire lengths.

Wind Turbine			ECB Products				
Range	Type	Application	Shaft-Spring-Applied Brakes	Caliper Brakes	Electro-mechanical Brakes (Customized)	Linear Actuators	
Medium & Large (Medium: from 100kW to 600kW; Large: 600kW and over)	HAWT	Pitch Drive Brake	●				
		Pitch System				●	
		Wing Tip	●				
		Wing Lock					●
		Low Speed Shaft Rotor Brake			●		
		High Speed Shaft Rotor Brake			●		
		Rotor Lock					●
		Yaw Drive Brake	●				
		Yaw Brake/ Azimuth Disc Brake				●	
		Service Hatches motion					●
		Access Gate Operation				●	
Small (Less than 100kW)	HAWT	Rotor Brake	●	●			
	VAWT	Rotor Brake	●	●			



www.altraenergyoilandgas.com
www.altramotion.com

Contact:
Edouard Haffner
Specialist, Renewable Energies
+33 2 4121 2317
edouard.haffner@altramotion.eu