

> **Material: TT133FS OIL IMPREGNATED BRONZE**

> **DOC:C-041**
> **REVISION:0**

> **RBLE: R. Antich**
> **DATE: 13/12/17**

Description

Sintered bronze yaw pads are designed for GE 1.5 and 1.6 MW wind turbines equipped with 12 and 18 piston passive yaw brake systems. The sintered bronze material has been specifically formulated to ensure exceptionally low wear in conjunction with minimal noise and vibration. By design, the sintered material is porous, offering the ability to absorb and distribute lubrication across the wear surface. The pads offer exceptional tensile and compressive strength, eliminating cracking, splitting and disintegration associated with other plastic based yaw pad materials.

Applications

Industrial applications
Heavy-duty Brake pads
Yaw Brake

Bonding

The use of any well-known thermosetting adhesive is recommended.

Recommended mating surfaces

Good quality, fine grained pearlitic cast iron with Brinell hardness of 150-200 is recommended.

Properties

Maximum Pressure	13.8N/mm ²
Tensile Strength	96.5N/mm ²
Yield Strength	75.8N/mm ²
Elongation	1%
Porosity	19% min oil by volume
Density	6.4-6.5g/cm ³

Static Friction Coefficient on Steel 0.13

Recommended operating range

Continuous maximum operating temperature 480 °F
Momentary maximum operating temperature 660 °F

