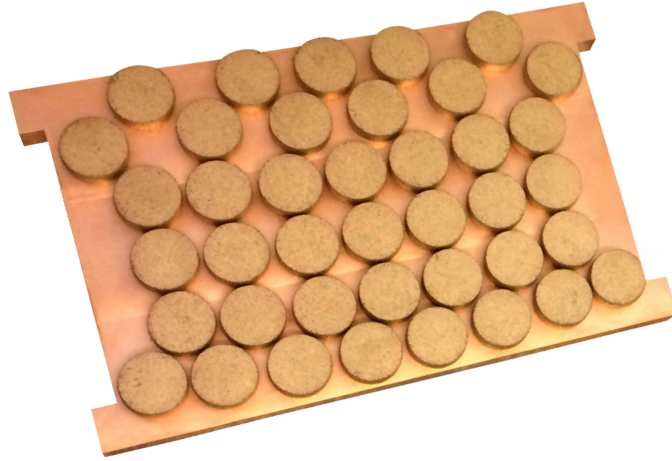


## Sinter brake pads in brake systems



### DESCRIPTION

For decades Svendborg Brakes have developed brake systems for Wind and Industrial applications, and offer factory approved and tested genuine OEM, OES and Aftermarket friction materials. Typical applications for our brake systems: wind and tidal turbines, mining conveyors, hydropower, cranes, propulsion systems, deck equipment, hoists, draw-works, elevators & escalators and dam turbines.

### FEATURES

We have know-how gained from decades of testing friction materials in our own full scale test centers, of which our largest and oldest is located in Denmark, where we can simulate individual applications, including wind turbines, mining conveyors, or crane/hoist applications. We also conduct extensive field testing prior to release of any new material.

### SPECIFICATIONS

As the friction material is a very essential part of the braking system, in creation of braking force and wear, our application engineers make a selection for each specific application.

### RECOMMENDATIONS

Sintered friction materials do in general show very good performance at high temperature and high speeds. Sintered materials can handle peak temperatures up to 900°C, and rubbing velocity speeds close to 100 m/s, with associated brake pad pressures not exceeding 5 N/mm<sup>2</sup>.

Sintered material generally can cope with dusty environments, and are very resistant to most chemicals, greases, lubricants and oils. However, it has to be taken into account that any contamination of the brake material or disc will result in a decrease of the friction level. Such a friction change, can have significant negative impact, so we emphasise the importance of avoiding any pad and disc contamination, keeping the complete brake system clean and dry.

### SVENDBORG BRAKES CERTIFICATIONS

• ISO9001 2015\_CN • ISO9001 2015\_EN • ISO 45001:2018\_CN • SO 45001:2018\_EN

