



CUSTOMER

OVAKO Steel AB, Hofors, Sweden

BACKGROUND

Changing brake discs on production cranes in the steel mill used to take around eight hours with a loss of production during that time.

Previously, the motor and the brake had to be unfastened and moved to allow sufficient clearance for the brake disc to be dismantled. Having to move the motor was time consuming and also introduced the risk of loosening the alignment between the motor, the coupling and the gearbox.

With the Dellner Brakes coupling fitted, the brake disc can be changed without moving the motor or the brake and now takes less than two hours.

APPLICATION

The Dellner elastic shaft coupling with integrated ventilated brake disc makes changing the brake disc a lot easier.

The middle part of the coupling can be moved axially so the disc can be lifted out radially without dismantling the coupling hub. The coupling consists of a hub with a rubber lining which transmits the torque to the brake disc, which is mounted on a flange hub. The rubber lining is fixed with a clamp ring and locked by stop screws. For safety reasons, if the rubber lining should fail, the coupling is equipped with safety pins screwed to the hub.

The hubs can be delivered with a keyway or tapered bore machined to our customer's exact dimensions to suit their own installations.