



HIGHLIGHTS

- Mono spring, hydraulically-released brakes
- Brakes are used for parking and emergency controlled braking in case of power failure
- Up to 12,920 N clamping force

Application Success Story



BSFI 200 Brakes

Drilling Rig Lifeboat Winches

PROBLEM

A leading manufacturer of lifeboat systems needed a reliable winch brake solution that could withstand the often extreme conditions on offshore drilling platforms. The lifeboats are suspended from dual cables hooked to the fore and aft of the enclosed vessel. The disc brakes are positioned on the winch's cable drums to keep the stored lifeboats locked in place.

In an emergency, after the boat is loaded with personnel to maximum occupancy, the brake is released to allow gravity to safely lower the boat to the ocean below. The single or dual cable drum ensures that both cables keep the boat level as it descends.

The brake also engages to prevent free fall in the event of a power failure to the electric winch by providing controlled braking as the boat continues to descend.

SOLUTION

To meet the challenging parking and emergency stopping application requirements, Svendborg Brakes provided BSFI 200 Series spring applied, hydraulically-released caliper brakes. The brake's spring packs are sized to meet individual application requirements, up to 12,920 N clamping force.

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