



Photo courtesy of David Pirmann

Case story Tramvia Blau (Blue Tram), Barcelona

Customer: Herrekor S.L. (Dellner Brakes' distributor in Spain)

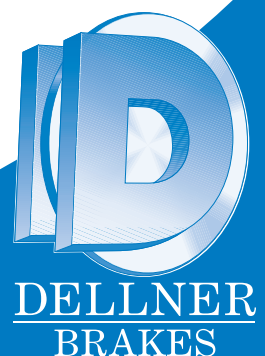
Background: The Tramvia Blau is a museum quality 2-axle tram that operates on a segment of Barcelona's original tramway system. Completely renovated in 1990, the blue trams now again run the traditional route from John F. Kennedy Square up to Doctor Andreu Square.

From Doctor Andreu Square, visitors can catch the funicular up to the top of Tibidabo, which is the name of the hill that the tram climbs. Tibidabo is also the site of the church of Sacred Heart and Tibidabo Amusement Park. The tramway and funicular both opened in 1901, along with the Amusement Park.

In 2004 two of the tram cars were upgraded with a more modern running and brake system.

Application: Two Dellner brakes, model SKD 65 (hydraulically pressure applied brakes), are installed on each of the two tram cars. The brakes are used in junction with the existing four level electrical brakes. The brakes supplied by Dellner helps to smooth out the steps of the electrical brakes. In addition, the SKD 65's also serve as the emergency back-up brake system, in case of failure of the electrical brakes.

Each SKD 65 is mounted on the drive wheel shaft and utilises a $\phi 600$ mm (23.62 in) brake disc (split-type) providing a braking torque of 13,9 kNm (10250 lbf-ft).



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