



WHEELCHAIR LIFTS

An Original CNL Design

Application: Wheelchair lifts are used around the world to allow wheelchair users to access mass transit coaches. As the lift is utilized in the mass transit environment, self-lubrication, long life and component durability are key design considerations. Since the mechanism is driven by a relatively low horsepower motor and sees frequent off-center loading conditions, low friction and superior deformation resistance is required for the bearing blocks and wear strips.

The CNL Advantage: NYCAST® 6PA MoS₂ cast nylon material is used in bearing blocks and wear slide surfaces to exceed their performance characteristics for proper lift performance. The self-lubricating qualities of NYCAST 6PA MoS₂ eliminates the need for external lubrication, keeping the lift area clean and grease free, which is an important safety concern in mass transit environments. The high compression strength and deformation resistance of the NYCAST 6PA MoS₂ material prevents bearing block damage from side loading and ensures reliable, long-term operation of the lift mechanism.