

SERIES 700 DRIVES

COMMERCIAL OVERHEAD DOORS



PROBLEM

Many powered commercial overhead door designs utilize an AC motor and a series of chain and sprockets to provide the required torque to lift the large panel doors. While these components are common and economical, they are susceptible to jamming, exposure to the elements and a limitation to their power and speed capabilities. For more demanding applications, commercial and industrial door manufacturers often incorporate gear drives into their drivetrains including jackshaft and trolley overhead door operators.

SOLUTION

Series 700 worm gear drives from Boston Gear are ideal for commercial and industrial doors requiring higher torque and long life with minimal maintenance. Boston Gear's high quality and reliably efficient operation reduce the burden on the drive motor to ensure longer life of the door operating system.

A cast iron housing provides rugged protection from daily abuse. The convenience of a C-Face motor flange allows the use of any standard off-the-shelf motor. With typical applications requiring gear ratios of around 40:1, Boston Gear's broad offering of products can provide output torques ranging from 100 lbf-in to well over 10,000 lbf-in. This enables Boston Gear to provide a solution when scaled requirements may range from warehouse shipping doors to automated firehouse doors to airplane hangar doors.

HIGHLIGHTS

- World-class worm gear technology provides quiet operation with optimum efficiencies
- Rugged reducer housing of fine-grained, gear quality cast iron provides maximum strength and durability
- Synthetic lubricating oil handles a wide range of ambient temperatures (-20F to over 100F)

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