



NEWS RELEASE

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TO THE EDITOR

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FOR IMMEDIATE RELEASE

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POWER-CORE™ ROLLERS PROVIDE A RELIABLE AND SECURE FIT UNDER VARYING LOAD AND TEMPERATURE SITUATIONS

Closter, NJ: Bombardier has selected Intech to provide replacement rollers for the guide door openings on the Orlando People Mover System.

Bombardier Transportation, with a reputation for excellence in designing high capacity urban transit systems and automated people movers, required longer wear-life rollers, with increased reliability to reduced maintenance. Boyka Kriakova, Design Engineer at Intech Corporation, explored how the newly introduced Intech rollers might address Bombardier Transportation's requirements.

Once application details, including angle, load, door weight, linear speed, temperature variations, humidity levels, rail material and cycling information were presented, Intech was able to custom design a concave roller. The assembly features a precision machined Intech Power-Core™ tire thermally installed over a sealed ball bearing. At a load of 100 ft. lbs. per roller running at 53.82 ft/min, Intech determined roller performance life of between 500 to 700 million door-opening cycles, which could potentially provide the Orlando International Airport with 5 to 7 years of quiet, trouble-free and maintenance-free operation.

Intech Power-Core™ rollers do not absorb moisture and maintain outstanding performance characteristics throughout a temperature range that extends from -40°F to 140°F. The precision thermal-fit tire is credited with providing a reliable and secure fit under varying load and temperature situations.

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After one year of continuous operation, there are no visible signs of wear on the roller surface. Additionally, Intech Power-Core™ rollers are being installed on the heavy 200 lb. glass station doors in order to reduce noise and increase resistance to grinding and wear. Station door rollers for Leg A2 are in the process of being replaced at the Orlando site with Intech Power-Core™ replacement rollers. Bombardier field technicians are installing the replacement rollers and, where applicable, will ensure that they are timed to open and close at precision-controlled intervals so that the doors orchestrate perfectly with the opening of train doors to provide a safe, smooth passage.

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