

Service Information Bulletin #27

Nylon Universal Roller Door Guides

Heavy Duty Applications/Installation Recommendations

DISCUSSION

Roller door guides are best used in applications where nylon door gibs have trouble sliding in the sills due to heavy loading conditions (air pressure imbalance). The roller door guide, as the name implies, rolls in contact with the sill, rather than slides.

OPERATING CONDITIONS

Sliding gibs exhibit additional friction where entrance doors are operated under conditions of significant differential between the lobby and the hatchway. This extra friction slows and loads the door operating mechanism, and generally wears sliding gibs on one side only. Any of the following four conditions may produce a high differential:

1. An air conditioned pressurized lobby.
2. Pressurized hatchway for fire and smoke control.
3. Tall building with sufficient stack effect.
4. Prevailing winds impacting on outdoor lobbies.

INSTALLATION AND MAINTENANCE

Generally the same installation instructions apply to Roller Door Guides as applies to Universal Door Guides (gibs).
Reference: Service Information Bulletin No. 2, Universal Door Guides, Installation Instructions.

WARNINGS AND INSTRUCTIONS

1. Choose a diameter roller smaller than the width of the groove in the sill. **TOO TIGHT WILL CAUSE THE ROLLER TO FAIL.**
2. Lubrication: Do not lubricate Nylube Roller Door Guides or the sills in which the rollers are installed.
3. Many installations have been attempted in dirty environments (there is dirt and other materials clogging the door guide groove in the sill) where excessive gib wear has been caused by dirt particles. The use of roller guides in this application would prove ineffective due to dirt migrating into the roller resulting in roller failure. For this type of application, regular sill cleaning is the best answer.
4. Hardware is designed to work as a system, with known capabilities. The strength and function of unmatched materials cannot be predicted or guaranteed. To mix hardware from various manufacturers is to be strongly discouraged.

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