

SUMMARY OF INDIAN STANDARD

IS 6343:1982

Door Closers (Pneumatically Regulated) For Light Doors Weighing Upto 40 Kg (First Revision)

A pneumatic door closer, also known as an air door closer, uses compressed air to control the closing motion of a door. When a door is opened, the air inside the door closer's cylinder compresses. When the door is released, the compressed air pushes the door shut. The air pressure returns to normal once the door is closed. Pneumatic door closers, increasingly used in air-conditioned hospitals, offices, restaurants, and frequently accessed residential spaces, offer an economical alternative to hydraulic closers, especially for light doors up to 40 kg. This Indian Standard, IS 6343:1982, first issued in 1971 and revised in 1982, outlines manufacturing and performance specifications for these closers, considering feedback from both users and manufacturers. The revised standard introduces additional materials for components, aligns with recent Indian Standards, and refines performance requirements. This standard covers the requirements for door closers (pneumatically regulated) for use on light doors weighing up to 40 kg.

Pneumatic door closers are **classified** by **door-opening direction: right, left, or universal**. The standard defines requirements for **component materials, dimensions, and finishes**, ensuring **durability** and a **defect-free appearance**. Treatment processes for components are also detailed, such as anodizing aluminium and applying a two-coat enamel finish to steel parts for enhanced resilience.

The standard specifies the marking and packing information such as Manufacturer's name or trade mark, if any, Serial number of the closer or manufacturer's batch number and Quantity in the package.

By standardising the raw materials of the product, dimensional parameters, general and performance requirements as well as finish and also the packing and marking information, the Indian Standard can serve as an extremely useful tool for both manufacturers and users and can help ensure that Door closers (pneumatically regulated) for light doors weighing up to 40 kg conforming to this standard, are of the highest quality.

Given the importance of this product, the **Ministry of Commerce and Industry (Department for Promotion of Industry and Internal Trade)**, Government of India has **mandated compulsory BIS certification for Door closers** (pneumatically regulated) for light doors weighing up to 40 kg as per this Indian standard under **Door Fittings (Quality Control) Order**.