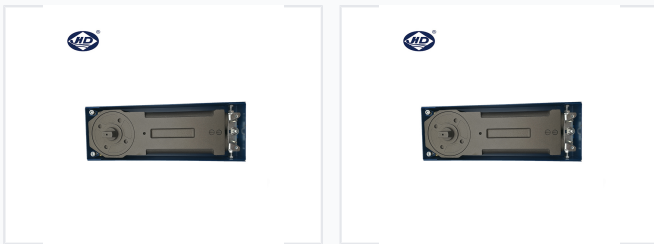


Double Cylinder Glass Door Floor Spring Hinge

This floor spring hinge features double speed adjustment and a ball bearing for smooth closing. It has a fixed closing force and is applicable for glass, wooden, aluminum, and frame doors.



ADDITIONAL IMAGES



Overview

High-Performance Double Cylinder Floor Spring

The HD-8000 is a professional-grade floor spring hinge designed for heavy-duty glass, wooden, and aluminum doors. Engineered with a double cylinder mechanism and high-quality Japanese bearing steel, it ensures smooth, controlled closing even in high-traffic commercial environments. With a tested lifespan of 500,000 cycles and extreme temperature resistance, this floor hinge provides reliable, long-term performance for modern architectural applications.

Performance Metrics

Key Performance Metrics

500000 cycles
Tested Cycles

130 °
Max Opening

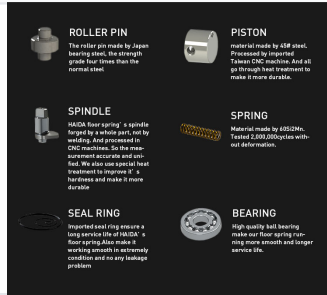
150 kg
Max Door Weight

Technical Specifications

Technical Parameters

Parameter	Specification
Model	HD-8000
Applicable Standards	EN1154 & ISO9001
Engine Cylinder	Double Cylinder
Max Door Width	1000mm - 1200mm
Latching Speed Adjustment	0° - 20°
Closing Speed Adjustment	20° - 90°
Operating Temperature	-40°C to 60°C

Construction & Materials



Internal Components

- Roller Pin: Japan bearing steel for 4x standard strength
- Piston: 45# steel processed via CNC and heat-treated
- Spindle: Single-piece forged steel (no welding) for accuracy
- Spring: 60Si2Mn material tested for 2,000,000 cycles
- Seal Ring: Imported leak-proof design for extreme conditions
- Bearings: High-quality ball bearings for smooth operation

Functional Features

Closing Force Options

EN2 • EN3 • EN4

Hold-Open Positions

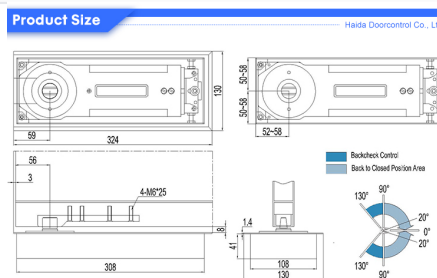
90° Hold-Open, 105° Hold-Open, NHO (No Hold-Open)

Application

Compatible Door Types

Glass Door, Wooden Door, Aluminum Door, Frame Door

Dimensions



Physical Dimensions

- Length: 324mm
- Width: 130mm
- Height: 56mm

Reliability



Protection Features

Corrosion Resistance, Low Temperature Resistant, Wear-Resisting, Oil Leak-Proof