

World Best!

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New Paradigm Hydraulic Door Closer

***Ease of Installation & set up
Lower Energy Opening Force
Smooth & Precise Closing Action***



Comfort in Doors..

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The first door closer, Rack & Pinion type, was invented by Lewis C. Norton of America in 1877. It has been used for 130 years since then without any notable structural development.

These kinds of door closers are called as Arm Lever Type Door Closer, it has been controlled by conversion of rotary movement of compression spring and it's reaction. But lots of customers have complaints because of it's bad durability, practicality, stability.

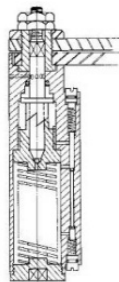
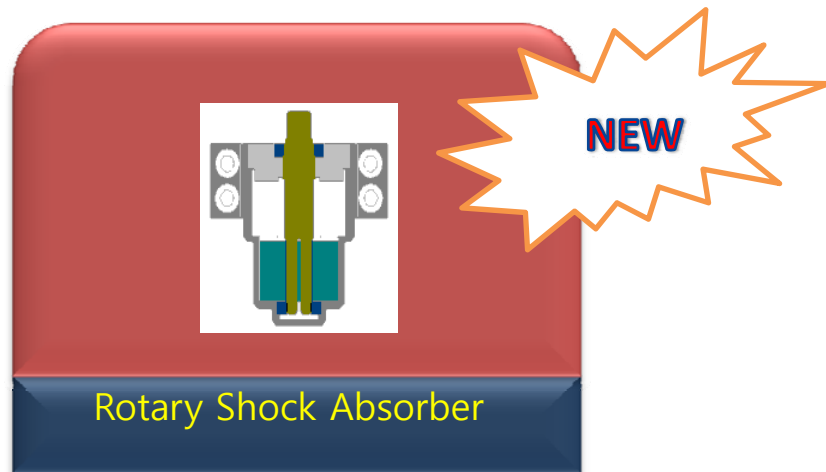
Meanwhile, some of companies developed Torsion spring type which is controlled by conversion of rotary movement by Screw Gear of it's torsion and reaction.

But it is also complained because of expensive price and bad efficiency, reliability

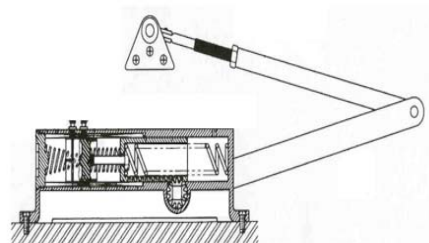
As per these situations, Our company's "Rotary Shock Absorber" technology made the door to be controlled by only rotary movement which is adapted to international standards.

This original technology excels existing door closers in structure, performance, design, construction method, and user's convenience.

"Rotary Shock Absorber" Type new original technology makes 21century New PARADIGM in world Door Closer market.



Screw Gear Type



Arm Lever Type

Rotary Direct Control Type

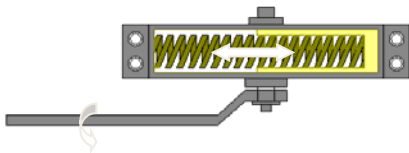
Driven by rotary motion only



New Technology(Rotary Shock Absorber Type)
First application of non-touched spiral spring
Hydraulic damper

Rack & Pinion Type

Driven by converting a rotary motion into a straight-line motion



Rack Gear is formed around the cylinder equipped with compression spring.
It engages with Pinion Gear, converting a rotary motion into a straight-line motion .



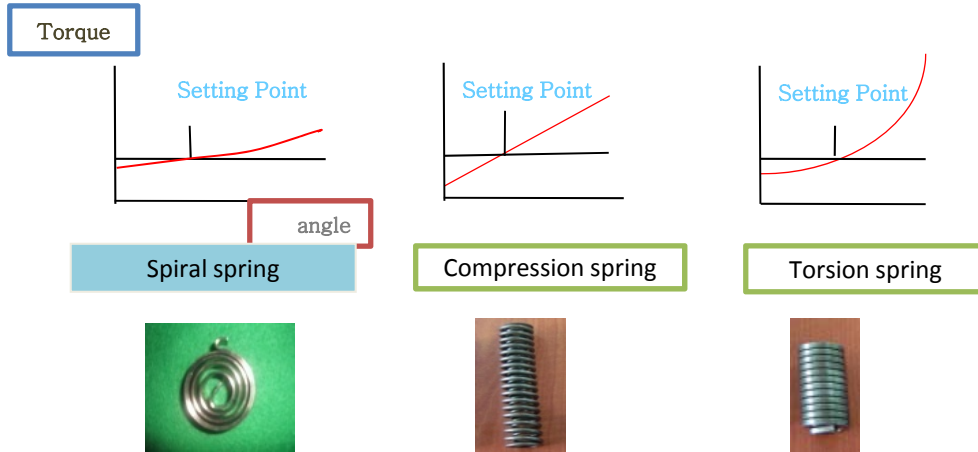
Slide Arm Closer With Guide Rail



Link Arm Closer

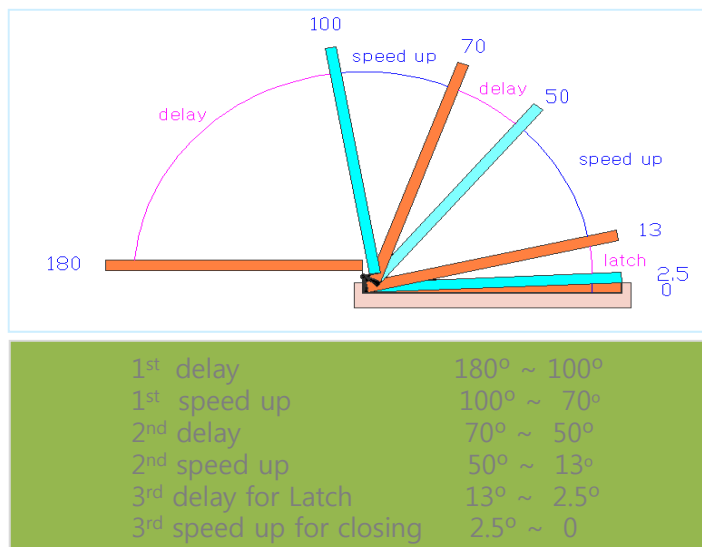
3 Advantages of Spiral Spring

1. It is the smallest spring that applies to door closer (possible smaller door closer).
2. It shows smaller change of spring power (flexible opening power of door).
3. Outstanding durability



4 Advantages of Major Function

Double delay Action + latch Action



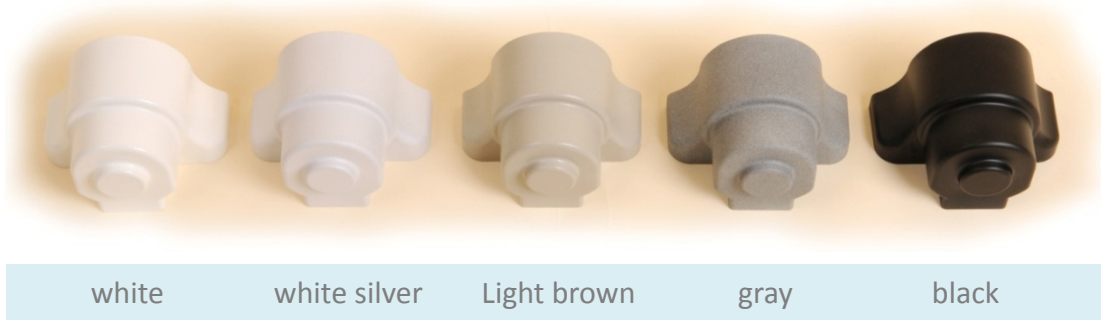
5 Comparison of Major Specifications

	OUR Door Closer	Existing Door Closer
Photo		
Type	Slide Arm Type Link Arm Type	Link Arm Type
Size	98x81mm	200(400)x110(150)mm
mechanism	Rotary Direct Control	Rack & Pinion

6 Analysis of Differences as Products

	OUR Product	Existing Products
Defects	There is no chance for chips to happen under the structure of oil pressure. Defects have been minimized.	Metal chips are likely to happen due to friction between the parts. They affect many parts to bring about frequent defects.
Op. section Precision	Speed control section is precisely set in the oil pressure damper. Delay or Speed Up section works well according to the closing angle of door.	Delay section varies much. Speed Up section is not constant. Door gets closed too fast , or doesn't get closed well.
Speed Control	Easy to control the speed for user's convenience. <up down method>	Hard to control the closing speed of door.
Oil Used	Special oil that is less likely to change -Closing speed doesn't vary much with the seasons. Once set, no more control.	General oil for oil pressure. -Closing speed varies with the season. Frequent need to control.
Design	A new mechanical structure of Rotary Direct Control Type. Small size. Simple and various designs .	Rectangle-shaped. Lockstep design connecting door and door frame with arm-lever.
User's Convenience	Easy to use for children and seniors due to light load.	Hard to use for children and seniors due to heavy load.

7 Color choice

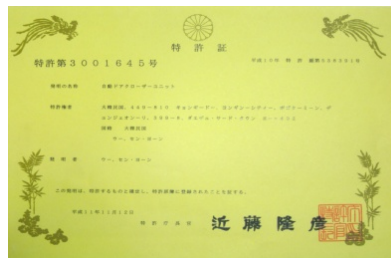


8 Patent

US Patent



Japon Patent



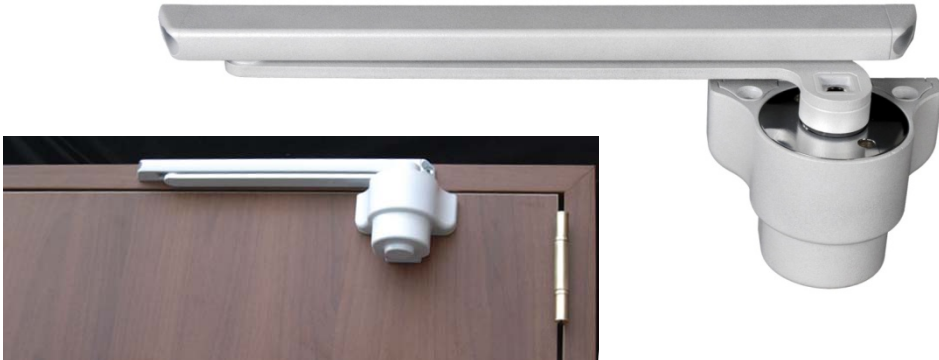
Korea Patent



China Patent



Slide Arm Door Closer with guide rail



Model No.	Door weight (900mmX2,100mm)	installation	application
S2001	45 Kg	Hinge Side Parallel	Wood Door Fire proof Door
S3001	65 Kg	Hinge Side Parallel	Wood Door Fire proof Door

Link Arm Door Closer



Model No.	Door weight (900mmX2,100mm)	installation	application
A2001	45Kg	Opposite Hinge Side Parallel	Wood Door Fire proof Door
A3001	65Kg	Opposite Hinge Side Parallel	Wood Door Fire proof Door