



Roller Shutter Operator SD+SV-series

SD-series Operator

Efficient

SD-series has all the features that ST-series possesses except its hand chain pulley system and clutch assembly is separated from each other, and the brake tensioner is removed to consolidate the motor mechanism. Therefore, the clutch assembly housed independently from the pulley system actually enhances the durability of the components. In addition, the use of the Double ROM Disk Brake System provides a more effort-saving, precise and steady break action than general break system. Due to the more effort-saving and more balanced breaking force structure, SD-series can also be built to be powered by DC 24V for the Fire Rated Shutters.



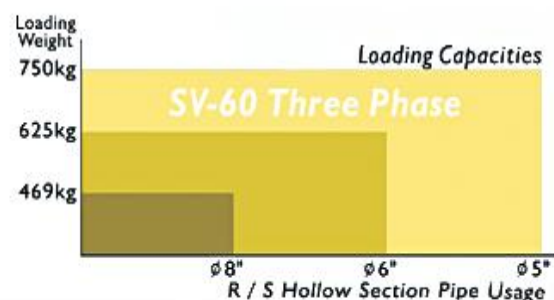
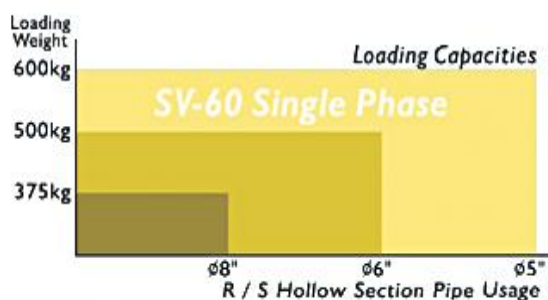
Model	SD-30 / 40
Sprocket	#50



Model	SD-50
Sprocket	#50



Model	SV-60
Sprocket	#60

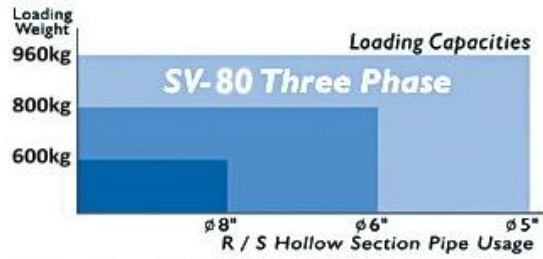
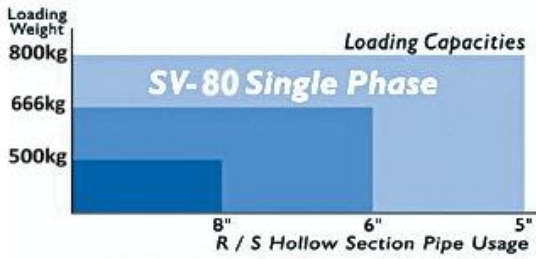




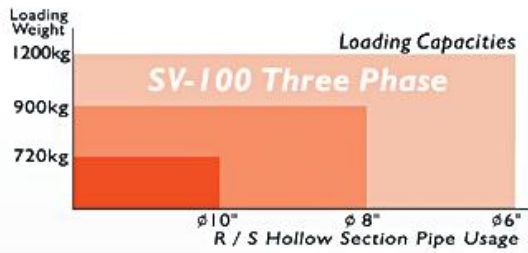
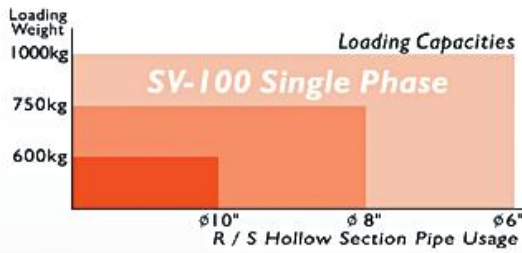
Roller Shutter Operator SD+SV-series



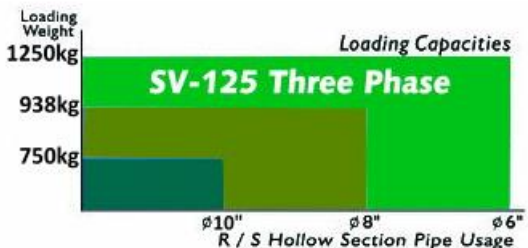
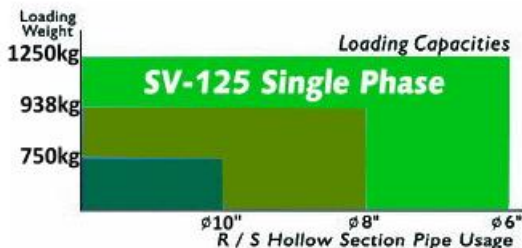
Model	SV-80
Sprocket	#60



Model	SV-100
Sprocket	#80 or dual #60

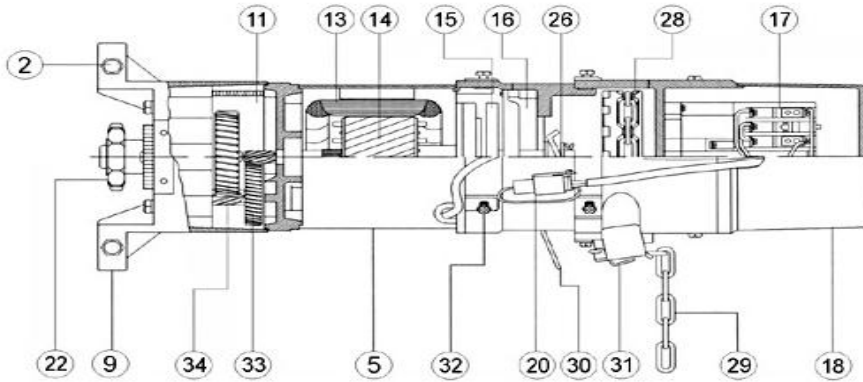


Model	SV-125
Sprocket	#80 or dual #60



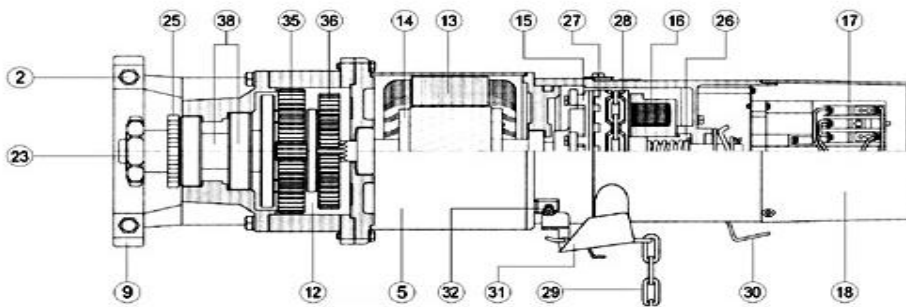


Single Row Oblique Gear Operator SA / ST / SD – series



▲ Single Row Oblique Gear

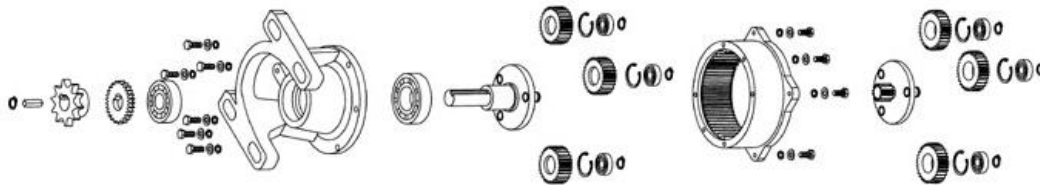
Double Layer Planetary Gear Operator SV-series



▲ Double Layer Planetary Gear

Double Layer Planetary Gear

Double Layer Planetary Gear is constructed with 2 layers of 3 gears mechanism which features the more distributed force on each gear for more balanced transmission; therefore, it provides a more effort-saving and durable performance despite its relatively higher fabricating cost.

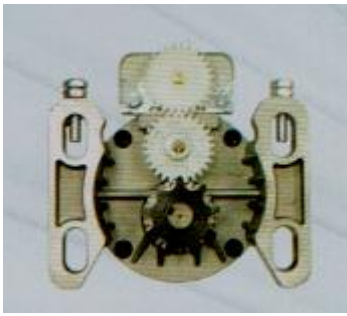


The Break Down of Double Layer Planetary Gear

Part list

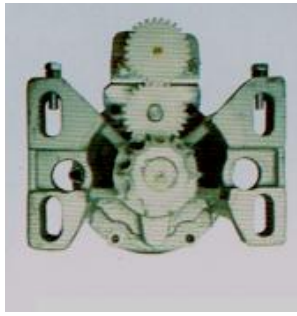
- | | | |
|---|---------------------------------------|--|
| 1.Chain Tension locking screw | 10.Contactor or control panel | 19.Manuel ascending hand chain |
| 2.AC Driving motor | 11.Front cover | 20.Manuel descending lever |
| 3.Mounting base | 12.Remote control interface connector | 21.Chain free play tensioner |
| 4.Gear assembly – single row oblique | 13.#530 gear driver | 22.Chain pulley direction fixing screw |
| 5.Gear assembly – double layer planetary gear | 14.#640 gear driver | 23.Oblique driven gear |
| 6.Motor coil | 15.Limit switch driven gear | 24.Oblique M.C.gear |
| 7.Rotor | 16.Brake tensioner | 25.Gear assembly – steel row gear |
| 8.Brake disc | 17.Pulley gear | 26.Gear assembly M.C. row gear |
| 9.Electromagnetic Brake | 18.Manual chain & pulley Assembly | 27.Bearing |

Operator Mounting Base



▲ SD-30/40/50

Aluminum



▲ SV-60/75

Cast Iron



▲ SV-100

Cast Iron

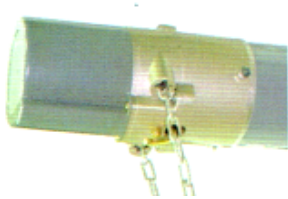
Double Disc Brake (SD-series)



Double Disc Brake System provides a more effort-saving, precise and steady break action than common break system. Its reliable and accurate breaking ability ensures the timely stop for door with any kind of loading capacity.

▲ Double Disc Brake

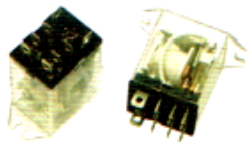
Tensioner Free Brake (No Cover)



The brake tensioner removed from the operator not only eliminates the concerns of improper Close of the brake tensioner which often causes unwanted break release but also to consolidate The motor mechanism for more stable performance.

▲ Tensioner Free Brake

Operator Feature อุปกรณ์ควบคุม



▲ Relay Type (SA-20)



▲ T-type Magnetic Switch



▲ Power Fuse

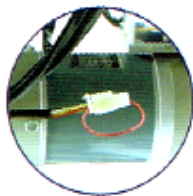


▲ Easy Power Plugs

(SD/SV-series)



▲ Push Button Switch



▲ Remote Control



▲ Fusible Link Device



▲ Limit Switch

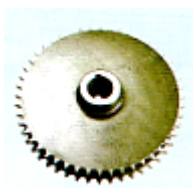


▲ Limit Switch

Easy Plug

(Extended)

Bracket Sprockets ชุดเฟืองและอุปกรณ์ยึด



▲ Dual Row#60 x 48T



▲ #80 x 48T-Keyway Type



▲ Operator Mounting Bolts



▲ Chain



Door Remote Control SPS

- ➔ Safety anti_theft multi random assigned code up to 40 billion possibilities to enhance Anti_copying by scanner device.
- ➔ Setting the remote code and adding the transmitter by programming method, no require to check the remote code by open the case.
- ➔ Sliding cover prevent accidental operation with extendable antenna.
- ➔ Effective directly remote distance: 50 meters.
- ➔ Operate at 346.5 MHZ frequency



- ➔ มีระบบป้องกันขโมย โดยการสุ่มรหัสกว่าสี่หมื่นล้านแบบ เพิ่มการป้องกันการCOPYโดยเครื่องสแกน
- ➔ ตั้งค่าการติดตั้งรีโมทคอนโทรล โดยวิธีการใช้โปรแกรม ไม่จำเป็นต้องเปิดฝารีโมทเพื่อเช็ครหัส
- ➔ มีฝาปิดปุ่มกดแบบสไลด์ เพื่อป้องกันการกด โดยไม่ตั้งใจ
- ➔ เป็นอุปกรณ์เสริมสำหรับใช้งานภายนอก
- ➔ ระยะการควบคุมรีโมทในที่โล่งสามารถควบคุมได้ไกลถึง 50 เมตร
- ➔ การทำงานของรีโมทใช้คลื่นความถี่ 346.5MHZ
- ➔ ใช้งานง่าย กดแล้วปุ่มไม่รวน