

SDC HiShear®

# 1562SC Series

## Semi-Concealed Electromagnetic Shear Locks



SDC's HiShear® electromagnetic shear locks are designed, engineered and built in America for openings that require an architecturally superior appearance. Recognized as a cut above alternatives on the market, SDC shear locks provide high security with a failsafe locking mechanism to meet a variety of door opening applications. **The patented HiShear® design incorporates** a floating armature assembly and special alloy steel locking tabs on both the lock and armature assemblies, that may be adjusted both vertically and laterally to compensate for wide door gaps and warped or misaligned doors. Advanced electronic circuitry incorporates a door alignment relock sensor as well as an automatic sensing dual voltage input. Noise dampeners greatly reduce the noise associated with locking and unlocking when compared to other shear locks on the market.

HiShear® magnetic shear locks are ideal for use on commercial grade hollow metal and wood doors with metal frames and Herculite doors with top rails.

SDC's 1562SC series semi-concealed configuration incorporates the innovative HiShear® concealed electromagnetic lock with a surface mounted armature assembly. The semi-concealed design also provides the advantage of mounting the HiShear® on the secure side of the door opening, eliminating potential for tampering.

### MODELS

**1562SC** Semi-Concealed Shear Lock, External Electronics, 2000lbs

**1562SCHDB** Semi-Concealed ½" Glass Door Shear Lock, External Electronics, 2000lbs

**1562SCHDB3/4** Semi-Concealed ¾" Glass Door Shear Lock, External Electronics, 2000lbs

### STANDARD FEATURES

- Concealed mortise lock and surface mount armature design
- Floating armature assembly
- Special alloy steel shear tabs
- Auto-sensing dual voltage
- Door alignment relock sensor
- Adjustable lateral and vertical alignment
- Noise dampeners

### OPTIONAL FEATURES

- Door position status (DPS)
- Visual status indicator (LED)\*

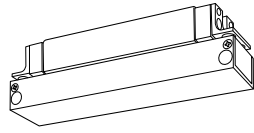
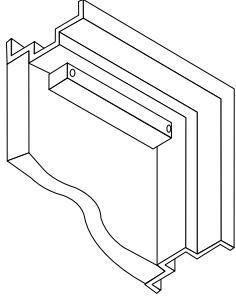
\* Mounts separately through the frame and may be used to indicate lock is energized or wired to monitoring contacts.



## APPLICATIONS

### TOP RAIL

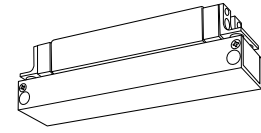
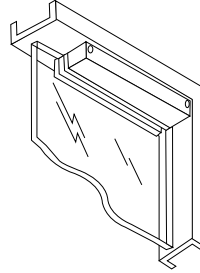
The mortise magnet is concealed in the frame and the armature is surface mounted on the door. For metal door and frame, glass door with top rail and metal frame, or wood door and metal frame.



**1562SCV**

### NO TOP RAIL

The mortise magnet is concealed in the frame and the armature is surface mounted on the glass door where no top rail is present utilizing the Herculite door bracket.



**1562SCHDBV  
1562SCHDB3/4V**

## CROSS REFERENCE

Series	1560	1562SC	1561S	1561TJ
<b>Type</b>	Concealed	Semi-Concealed	Surface	Surface Top Jamb
<b>Integrated Electronics</b>	1561 1565	-----	1561S	1561TJ
<b>External Electronics</b>	1562 1566	1562SC 1562SCHDB 1562SCHDB3/4	-----	-----

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## SPECIFICATIONS

	<b>1562SC</b>	<b>1562SCHDB</b>	<b>1562SCHDB3/4</b>
<b>Housing</b>	Aluminum	Aluminum	Aluminum
<b>Mount</b>	Mortise & Surface	Mortise & Surface	Mortise & Surface
<b>Herculite Bracket</b>	-----	½" Glass Door	¾" Glass Door
<b>Holding Force</b>	2,000 lbs	2,000 lbs	2,000 lbs
<b>Dimensions</b>	8" x 1½" x 1⅛" Lock 8" x 1¾" x 1⅛" Armature	8" x 1½" x 1⅛" Lock 8" x 2⅞" x 1⅛" Armature	8" x 1½" x 1⅛" Lock 8" x 3⅞" x 1⅛" Armature
<b>Weight</b>	5 lbs	5 lbs	5 lbs
<b>Input</b>	12/24 VDC ± 10% Auto-sensing	12/24 VDC ± 10% Auto-sensing	12/24 VDC ± 10% Auto-sensing
<b>Current Draw</b>	350 mA @ 24 VDC 650 mA @ 12 VDC	350 mA @ 24 VDC 650 mA @ 12 VDC	350 mA @ 24 VDC 650 mA @ 12 VDC
<b>Monitoring Contacts</b>	SPDT 250 mA @ 30 VDC Resistive	SPDT 250 mA @ 30 VDC Resistive	SPDT 250 mA @ 30 VDC Resistive



## CERTIFICATIONS

UL 10C Positive Pressure Fire Tests of Door Assemblies  
 ULC-S104 Standard Method for Fire Tests of Door Assemblies  
 ULC-S533 Egress Door Securing and Releasing Devices

Uniform Building Code Standard 7-2 Fire Test of Door Assemblies (1997)



## HOW TO ORDER

### FOLLOW STEPS FOR ORDERING

 Designates optional step

#### 1| SPECIFY MODEL

- 1562SC** Semi-Concealed Shear Lock, External Electronics, 2000lbs
- 1562SCHDB** Semi-Concealed 1/2" Glass Door Shear Lock, External Electronics, 2000lbs
- 1562SCHDB3/4** Semi-Concealed 3/4" Glass Door Shear Lock, External Electronics, 2000lbs

#### 3| SPECIFY OPTIONS

- D** Door Position Status (DPS)
- L\*** Visual Status Indicator (LED)

\* Mounts separately through the frame and may be used to indicate lock is energized or wired to monitoring contacts.

#### 2| SPECIFY FINISH

- V** 628 Dull Aluminum  Standard
- Y** 335 Dull Black
- C** 605 Bright Brass
- X** 710 Dark Bronze
- Q** 626 Dull Chrome
- P** 625 Bright Chrome

STEP NUMBER:	1	2	3
ORDERING EXAMPLE:	<b>1562SCHDB</b>	<b>V</b>	<b>D L</b>