



PD97ATL

ELECTRIFIED MORTISE LOCK WITH AUTO-LOCKING FOR SLIDING DOORS

Designed for easy integration with any type of access control system that supports touchless openings.



CODE COMPLIANCE

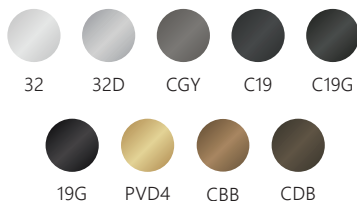
- UL1034 Burglary-Resistant Electric Locking Mechanisms
- UL294 Standard for Access Control System Units
- ANSI/BHMA A156.25 Electrified Mortise Locks
- ANSI/BHMA A156.18 Finishes
- ANSI A117.1 ADA Accessibility
- Meets ANSI/BHMA Grade 1 Standards

ELECTRICAL SPECS

Lock Body	≤560 mA
Strike	≤40 mA
Keypad	≤90 mA
Handwave	≤30 mA
Relay	≤30 mA
Switch	≤20 mA

Maximum current for individual parts when in operation at 12/24V.

FINISHES



FEATURES

- Motor driven 12/24V electrified lock for sliding doors
- Built-in Door Position Switch (DPS) and Deadbolt Monitoring Switch (DBM) sensors, enabling auto-latching and auto-locking functions
- Supports touchless opening solutions when paired with an auto-operator
- Fail secure lock remains mechanically locked during power failure, ensuring security
- Designed for easy integration with any type of access control systems
- Compliant with UL Standards for UL294 (Safety Access Control System Units) Testing

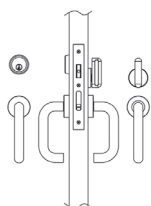
SPECIFICATIONS

Door Thickness	1-3/4" (45mm) Standard 1-3/8" (35mm) Thin Door Kit 2" to 2-1/4" (50mm to 57mm); Thick Door Kit available
Backset	2-3/4" (70mm) 2-1/2" (63.5mm)
Spindle Hub Size	Lever: 8mm x 8mm square Thumbturn: 5mm x 5mm square
Center-to-Center Distance	Lever to Cylinder: 3-7/8" (98mm) Lever to Thumbturn: 2-11/16" (68mm)
Cylinder	Schlage C keyway 6 pin 1-1/4" mortise cylinder w/ 2 keys (standard) Optional SFIC and LFIC housing and cores available
CAM	CAM01-SCL Clover Cam
Material	Trim: Stainless Steel Lockcase: Heavy gauge Steel Bolt: Brass and Stainless Steel Cylinder: Solid Brass Faceplate/Strike: Stainless Steel

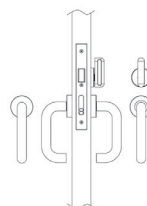
FUNCTIONS

PD97ATL Functions are **Fail Secure**. Deadbolt auto-locks once door is closed; during power failure, deadbolt remains mechanically locked from outside. PD97ATL includes the following monitoring sensors:

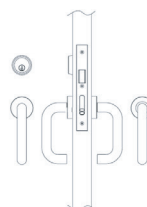
- DBM = Deadbolt Monitoring Switch
- DPS = Door Position Switch

**ENTRANCE 53**

- Latchbolt projected/retracted by built-in stepper motor when energized by 12/24V DC power transferred through contacts on lock and strike
- Key from outside to throw/retract latchbolt to lock/unlock door
- Thumbturn inside throws/retracts latchbolt to lock/unlock door
- Outside lever is rigid at all times
- Inside switch used to activate or deactivate outside handwave; when door is locked and handwave deactivated, entrance by key only
- Inside lever always unlocks latchbolt for emergency egress
- Passage mode available when lock is paired with additional push button or handwave unit

**PATIO / EXIT 60**

- Deadbolt projected/retracted by built-in stepper motor when energized by 12/24V DC power transferred through contacts on lock and strike
- Thumbturn inside throws/retracts deadbolt to lock/unlock door
- Outside lever is rigid at all times
- Inside lever always unlocks deadbolt for emergency egress

**STOREROOM 80**

- Latchbolt projected/retracted by built-in stepper motor when energized by 12/24V DC power transferred through contacts on lock and strike
- Key from outside to throw/retract latchbolt to lock/unlock door
- Door cannot be locked from inside
- Outside lever is rigid at all times
- Inside lever always unlocks latchbolt for emergency egress

FUNCTION TABLES

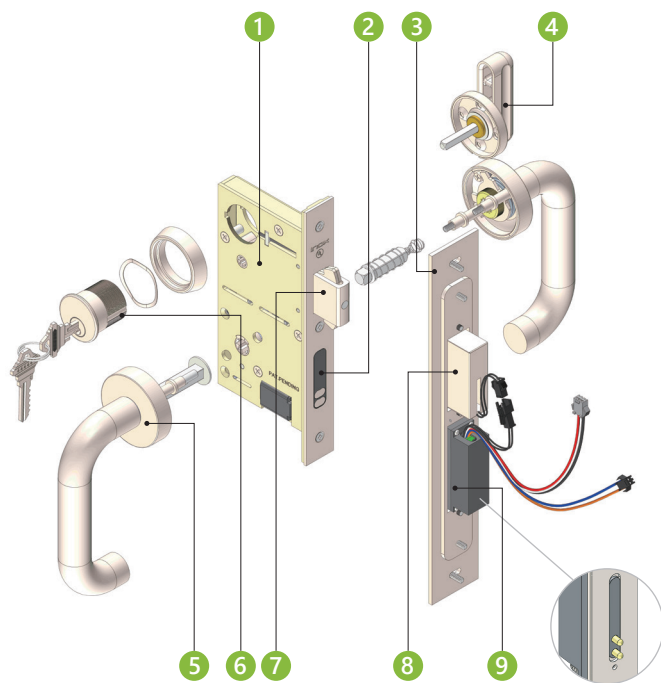
MAIN FEATURES

	Entrance	Storeroom	Patio/Exit
Outside Lever	✓	✓	✓
Inside Lever	✓	✓	✓
Lockcase	✓	✓	✓
Cylinder	✓	✓	✗
Thumbturn	✓	✗	✓

OPTIONAL ACCESSORIES

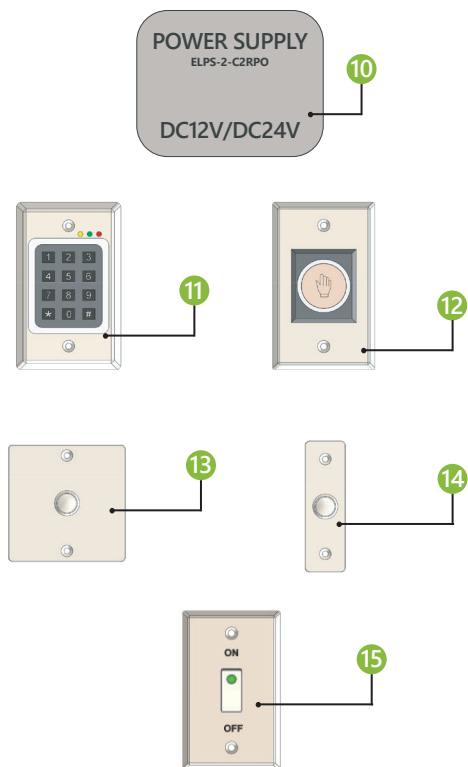
	Entrance	Storeroom	Patio/Exit
Switch	✓	✗	✗
Power Supply	✓	✓	✓
Keypad (Relay)	✓	✓	✓
Push Button	✓	✓	✓
Handwave	✓	✓	✓

COMPONENTS



- 1 PD97ATL lockcase and faceplate
PD97ATL-234-CASE 2-3/4" backset or
PD97ATL-212-CASE 2-1/2" backset
- 2 Faceplate contacts; Auto-locking, Door Positioning Switches (DPS), and Power Transfer
- 3 3D Adjustable Strike with reinforcement plate for door frame
- 4 ADA Compliant thumbturn
- 5 Heavy-duty Stainless Steel cast rose with choice of X-Series lever design
- 6 Schlage C keyway, 6 pin 1-1/4" mortise cylinder
- 7 1" (25.4mm) heavy-duty brass bolt throw with self-retracting non-marring hooks
- 8 Dust box with DBM (Deadbolt Monitoring Sensor)
- 9 Power Transfer Strike with spring-loaded prongs

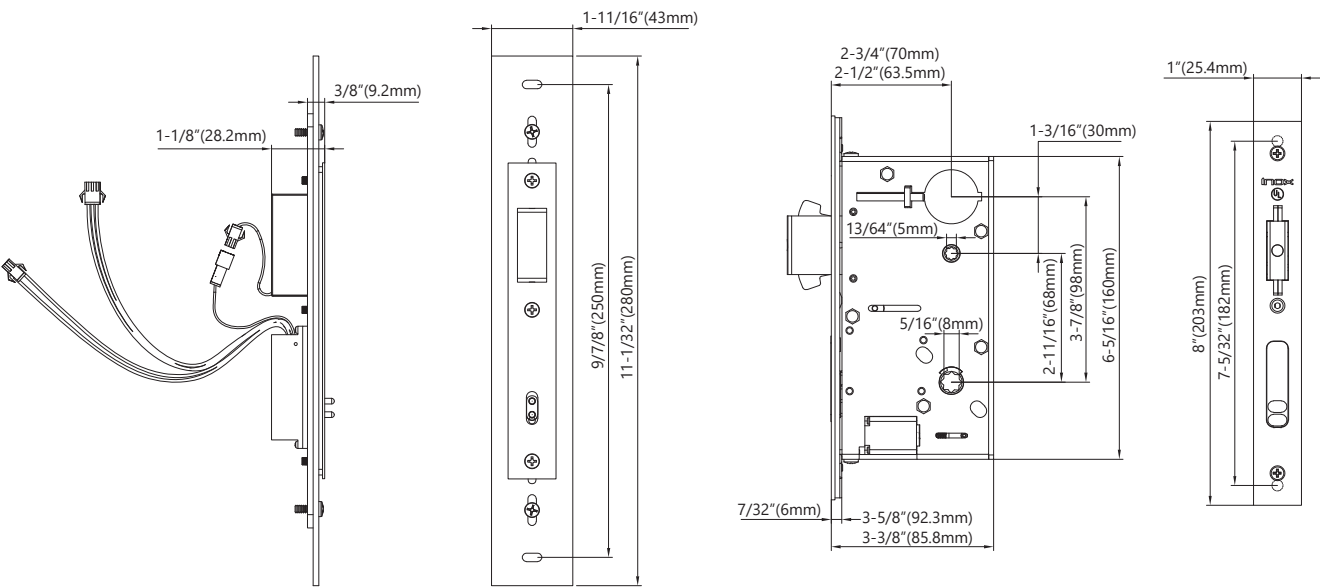
OPTIONAL INOX ACCESS CONTROL ACCESSORIES



- 10 **INX-ELPS-2-C2RPO** Power Supply with built-in surge protection, Voltage: 1.75A @ 12/24V DC, 1.75A @ 115VAC
- 11 **AC-KP1200** Stainless Steel keypad faceplate for indoor electrically locked door application
Voltage: 12/24V DC Dimension: 4-1/2" x 2-3/4" x 1-1/4"
- 12 **AC-IR1100** Handwave sensor with illuminated display
Voltage: 2A @ 12/24V DC Dimension: 4-1/2" x 2-3/4" x 1"
- 13 **AC-PB200** Wide Push Button with illuminated display
Dimension: 3-3/8" x 3-3/8" x 3/4"
- 14 **AC-PB100** Narrow Push Button with no illuminated display
Dimension: 3-1/2" x 1-1/8" x 1"
- 15 **AC-SW32** On/Off switch for Exterior Handwave on PT-ATL53, Dimension: 4-1/2" x 2-3/4"

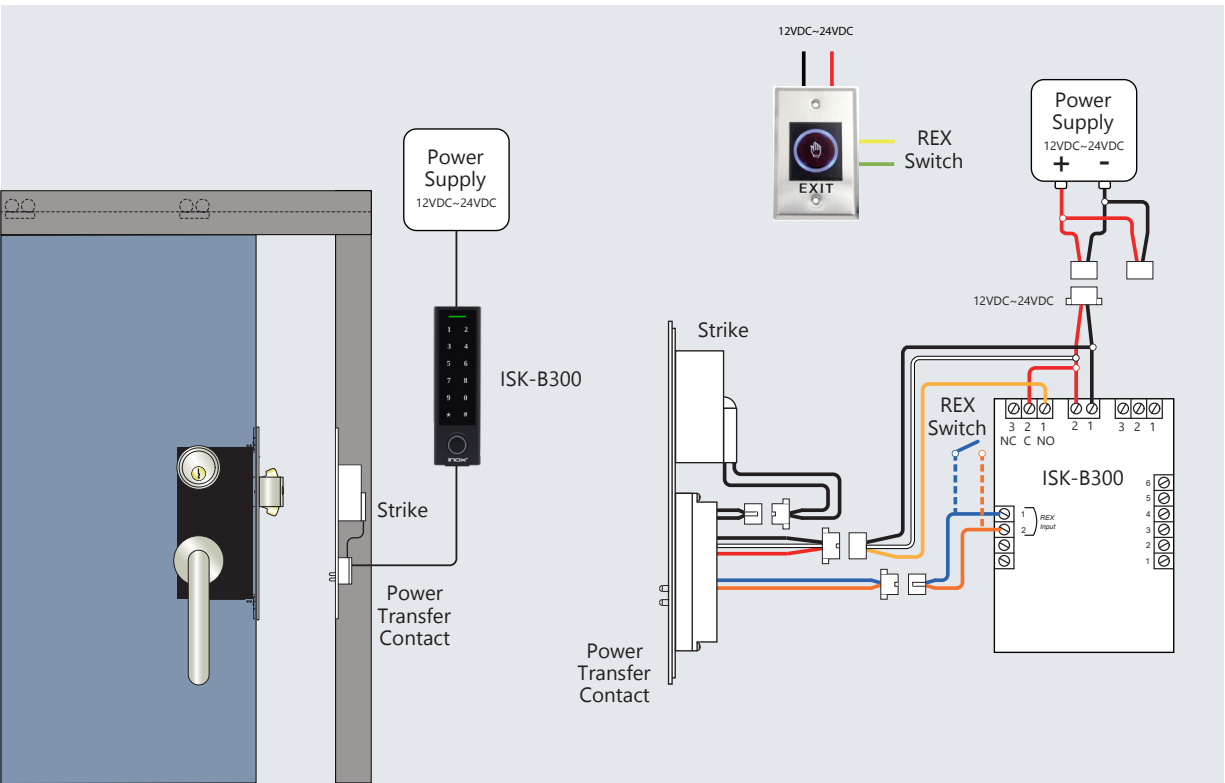
*Order as a separate line item.

DIMENSIONS

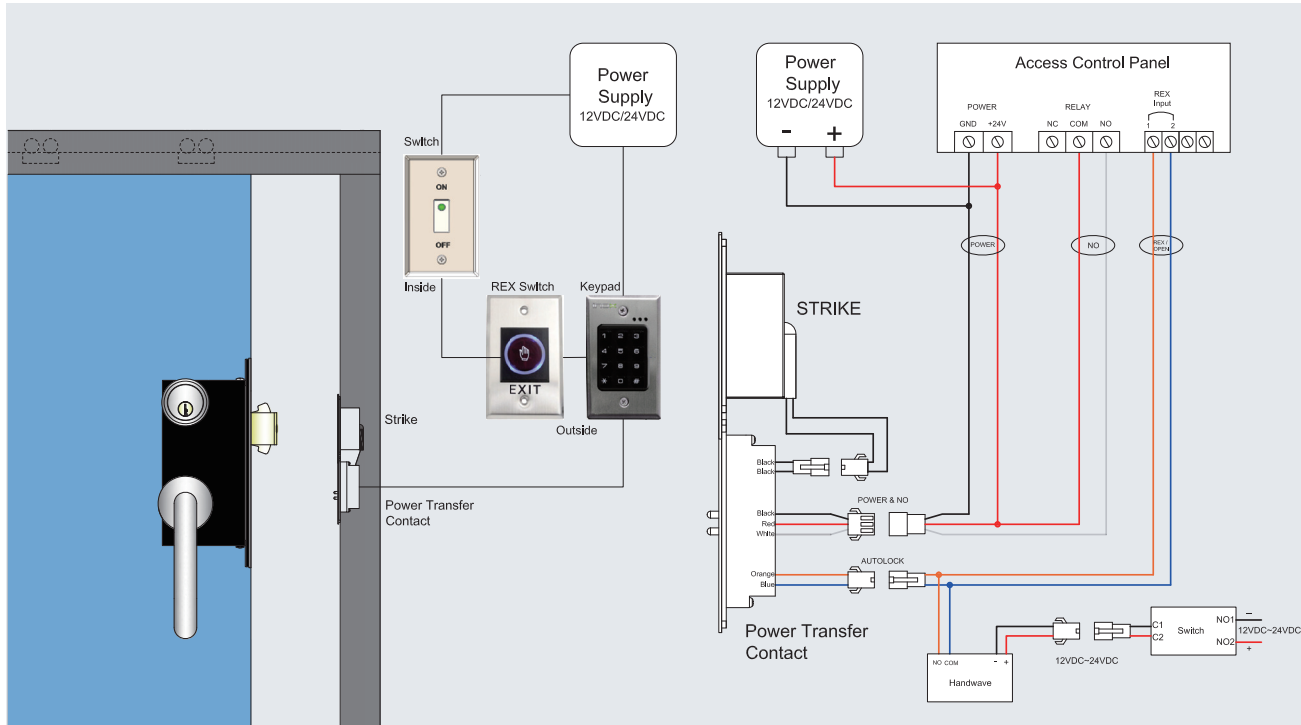


NOTE: PD97ATL locks only require 3-6 seconds of continuous power to engage or retract deadbolt; time varies subject to soft close or weatherstripping conditions on sliding door. Continuous power longer than required will damage the motor, so make certain that your connected relay has a timed function.

WIRING DIAGRAM: C1 FUNCTION



WIRING DIAGRAM: ENTRANCE 53 FUNCTION



For UL compliance, this product shall be used with UL Listed access control and buglar alarm control panels / peripheral devices. Accessories are shown for reference only and not evaluated for UL294 or UL1034.

PD97ATL Electrified Locks are designed to operate at 12/24V. Complete INOX system maximum current draw is 750 mA. INOX breakdown of individual items:

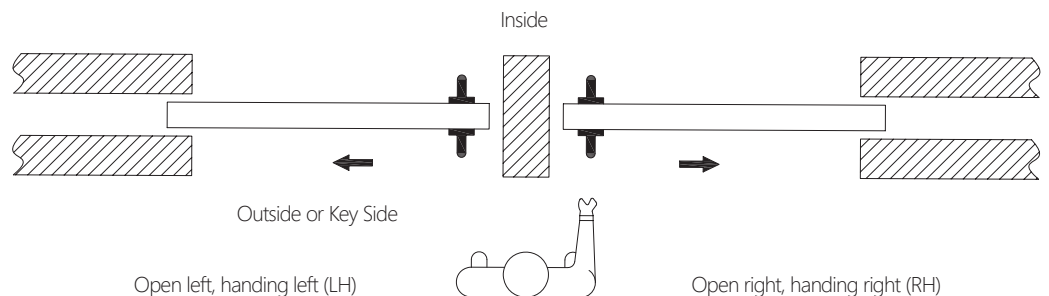
- Lock Body ≤ 560 mA
- Strike ≤ 40 mA
- Keypad ≤ 90 mA
- Handwave ≤ 30 mA
- Switch ≤ 20 mA

For UL compliance the product is to be powered via a UL294 or UL603 or UL2610 power supply with a class 2 power limited output suitable for the power requirement of the product.

Door Position Switch (DPS) and the Deadbolt Monitoring Switch (DBM) with operation resistive load of 250K cycles.

HANDING

- Handing refers to the direction the door slides open. Example: If the door slides to the left to open, it is a left-handed door.
- Determine door direction from the exterior or key side of the door when facing into the room.



ROSE & LEVER DESIGNS



XGT ROSE



XGS ROSE

**Return-to-Door Lever Designs comply with California and other state building codes for door openings.*



101 COLOGNE



102 MUNICH*



105 FRANKFURT



221 AURORA



243 SUNRISE



244 TWILIGHT*



276 PLAZA



318 CAFÉ



319 HAMPTON



320 EMPIRE



321 VALENCIA*



345 TOKYO



346 OSAKA*



109 STUTTGART*

THUMBTURN OPTIONS

46MM DIAMETER



1



2



3

ADA
COMPLIANT



4



5



6

ADA
COMPLIANT

53MM DIAMETER



1



2



3

ADA
COMPLIANT



4



5



6

ADA
COMPLIANT

REF	DESCRIPTION	PART NUMBER
1	TT02 Thumbturn in Round Rosette	GR02
2	TT04 Thumbturn in Round Rosette	GR04
3	ADA TT07 Thumbturn in Round Rosette	GR07
4	TT02 Thumbturn in Square Rosette	SR02
5	TT04 Thumbturn in Square Rosette	SR04
6	ADA TT07 Thumbturn in Square Rosette	SR07

REF	DESCRIPTION	PART NUMBER
1	TT02 Thumbturn in Round Rosette	GT02
2	TT04 Thumbturn in Round Rosette	GT04
3	ADA TT07 Thumbturn in Round Rosette	GT07
4	TT02 Thumbturn in Square Rosette	GS02
5	TT04 Thumbturn in Square Rosette	GS04
6	ADA TT07 Thumbturn in Square Rosette	GS07

ELECTRIFIED LOCKS COMPARISON

LOCK SERIES	PD97	PD97PT	PD97ATL	PD97ATLC1	PD97ES
Interior Emergency Egress	✓	✓	✓	✓	✓
Easy Zero-Door-Channel Installation	✗	✓	✓	✓	✓
Anti-Binding Winged Hook Bolt	✓	✓	✓	✓	✓
Auto-Latching, Auto-Locking	✓	✓	✓	✓	✓
Locking Failure Switch (LFS)	✗	✗	✗	✓	✓
Deadbolt Monitoring Switch (DBM)	✗	✗	✓	✓	✓
Lever Positioning Switch (LPS)	✗	✗	✗	✗	✓
Door Positioning Switch (DPS)	✗	✗	✓	✓	✓
Request-to-Exit (REX)	✗	✗	✗	✗	✓
ANSI/BHMA A156.25 Electrified Locking Device	✓	✓	✓	✓	✓
UL1034 Burglary Resistant Electric Lock Mechanism	✓	✓	✓	✓	✓
UL1784 Air Leakage Test for Draft, Smoke Door Assembly	✗	✓	✓	✓	✓
UL294 Safety and Security for Access Control System	✗	✓	✓	✓	✓

















*PD97 and PD97PT can be integrated with advance relay switch and door positioning magnet to achieve auto-latching or auto-locking function.



HOW TO ORDER STANDARD LOCKSETS

To order locksets with a non-standard specification, please describe the additional requirements in the same sequence as below.

Please see price book for parts or additional service upcharge.

PLATE	LEVER	LOCK	FUNCTION	BACKSET	CYLINDER	THUMBTURN	FINISH	HANDING
XGT	243	-PD97ATL	53	A	-S6	-GR04	-32D	-LH
1	2	3	4	5	6	7	8	9
ROSE  XGT		LEVER  201			LOCK - PD97ATL		FUNCTION 53 Entrance 60 Patio 80 Storeroom	
 XGS		 202						
		 205						
		 221						
		 243						
		 244						
		 276						
		 318						
		 319						
		 320						
		 321						
		 345						
		 346						
		 509						

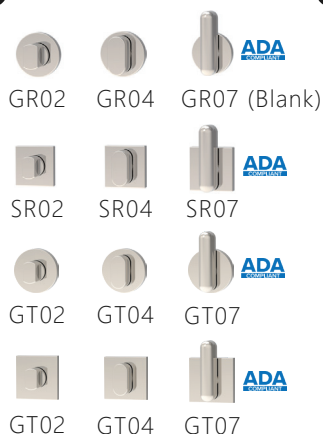
5 BACKSET

- Blank = 2-3/4"
- A = 2-1/2"

6 CYLINDER AND HOUSING (INCLUDES COLLAR)

- LC = Less Cylinder
- Blank = Standard Mortise 1-1/4" Cylinder
- S6 = Small Format Interchangeable Cylinder (SFIC) Housing 1-1/4", 6-Pin, Less Core, L Clover Cam
- S7 = Small Format Interchangeable Cylinder (SFIC) Housing 1-3/8", 7-Pin, Less Core, L Clover Cam
- L6 = Large Format Interchangeable Cylinder (LFIC) Housing 1-1/2", 6-Pin, Less Core, L Clover Cam
- Order IC Cores and Thick Door Kits (TDKs) separately. (See Price Book)

7 THUMBTURN



8 FINISHES* (STANDARD)

- 32D Satin Stainless Steel
- 32 Bright Stainless Steel
- 19G Graphite Black
- PVD4 Satin Brass
- Ceramax Graphite Black (C19G)
- Ceramax Flat Black (C19)
- Ceramax Stormy Grey (CGY)
- Ceramax Dark Bronze (CDB)
- Ceramax Burnt Bronze (CBB)

*Please see Finish Solutions on INOX website for special order finishes.

9 HANDING

- RH = Right Hand
- LH = Left Hand