

# DL-Series

Heavy-Duty  
Mortise Locksets

ANSI Range

We make access in life **smart and secure**

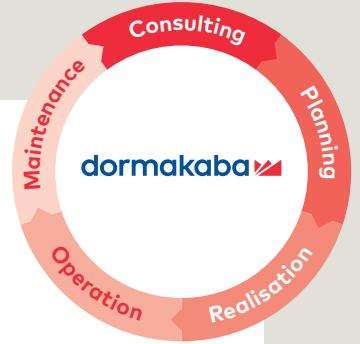


### Our Offering

Door Hardware  
Entrance Systems  
Electronic Access & Data  
Interior Glass Systems

Mechanical Key Systems  
Lodging Systems  
Safe Locks

Movable Walls  
Services  
Key Systems



### Our Focused Industries

Private Home Residential

Apartment Residential

Government

Hospitality Hotels

Financial Industries

Retail Shopping Malls

Airports

Education

Commercial Offices

Theatre & Cinema

Healthcare Hospitals

Stadiums

### Our Values

#### Customer first

We always focus what we do on the needs of our customers, partners and users.

#### Curiosity

We constantly scout for trends as the inspiration for future-focused solutions.

#### Performance

We go the extra mile to ensure customer satisfaction and set the bar high in terms of security, quality and reliability.

#### Courage

We are committed to continuously developing solutions that generate genuine added value for our customers and users.

#### Trust

Our core corporate value is at the heart of everything we do, so customers can rest assured that they are in good hands.

### Our Company

More than **150** years of experience

**16,000** employees

**130** countries

ISO 9001 Certificate



More than **2,000** patents



Sustainability Report GRI Standards



stock-listed at SIX Swiss Exchange (DOKA)

We call it **trusted access**



# Table of Contents

## DL-Series

04	<b>Introduction - DL1000 Mortise Lockset</b>
05	<b>Features, Specifications, Certification, Finishes</b>
06	<b>Lever Handle Options</b>
07	<b>Functions</b>
10	<b>Ordering Guide</b>

# DL1000

## Mortise Locksets

The DL 1000 series Grade 1 heavy-duty mortise locksets are suitable for all applications where ANSI/BHMA A156.13 Grade 1 products are required. These versatile locks are available in a wide range of lever trim designs and deadbolts in ANSI/BHMA functions.

DL1000 series locksets delivers high performance at an affordable price in your apartments, offices, schools and other commercial projects. These locksets are designed and constructed with high quality component to provide maximum security, performance and durability.

### DL-SERIES

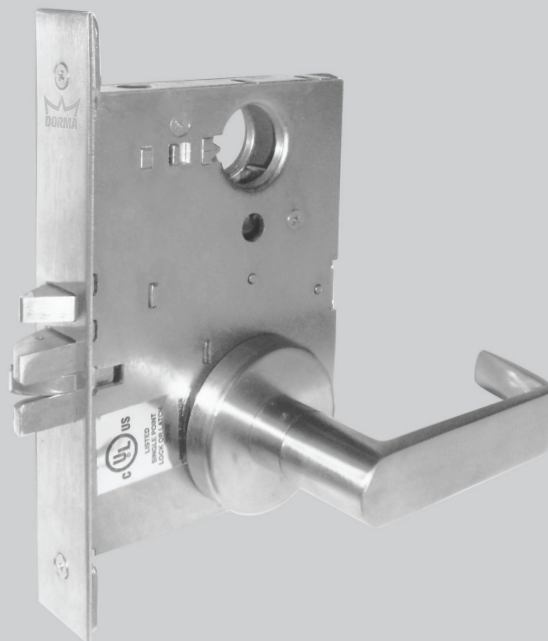
ANSI Range Mortise Locksets

Series : DL1000

Model :

DL 1xxx (Lever designs)

DB 1xxx (Deadbolt Only)



## DL1000 ANSI Mortise Lock Features

- DL1000 series mortise locksets provide a wide variety of functions available with the most popular finishes.
- Fast and easy installation. Select components are manufactured with high strength steel or stainless steel.
- Trims utilize 8mm (5/16") high strength alloy steel spindles for extra durability.
- Lock case is non-handed, reversible without opening the lock case and is constructed with a screw configuration that limits access to operating parts.
- All trims are forged brass and stainless steel
- Available with Electrical function.


## Specification

- Door thickness: 44mm standard, 35mm to 64mm optional. Over 64mm door thickness are available on request. Specify door thickness if other than 44mm.
- Backset: 70mm.
- Armored front : 32mm X 203mm X 2mm
- Case Size: 111mm X 153mm X 23mm
- Handing: Field reversible.
- Bolts: 25mm throw stainless steel dead bolt with 19mm throw stainless steel latch with anti-friction tongue.
- Strike : ANSI curved lip strike 32mm X 124mm X 30mm lip to center with dust box as standard.

- Cylinder: All ANSI Cylinder are compatible. Please order DORMA ANSI cylinder separately.
- Lead lined option is available on request.

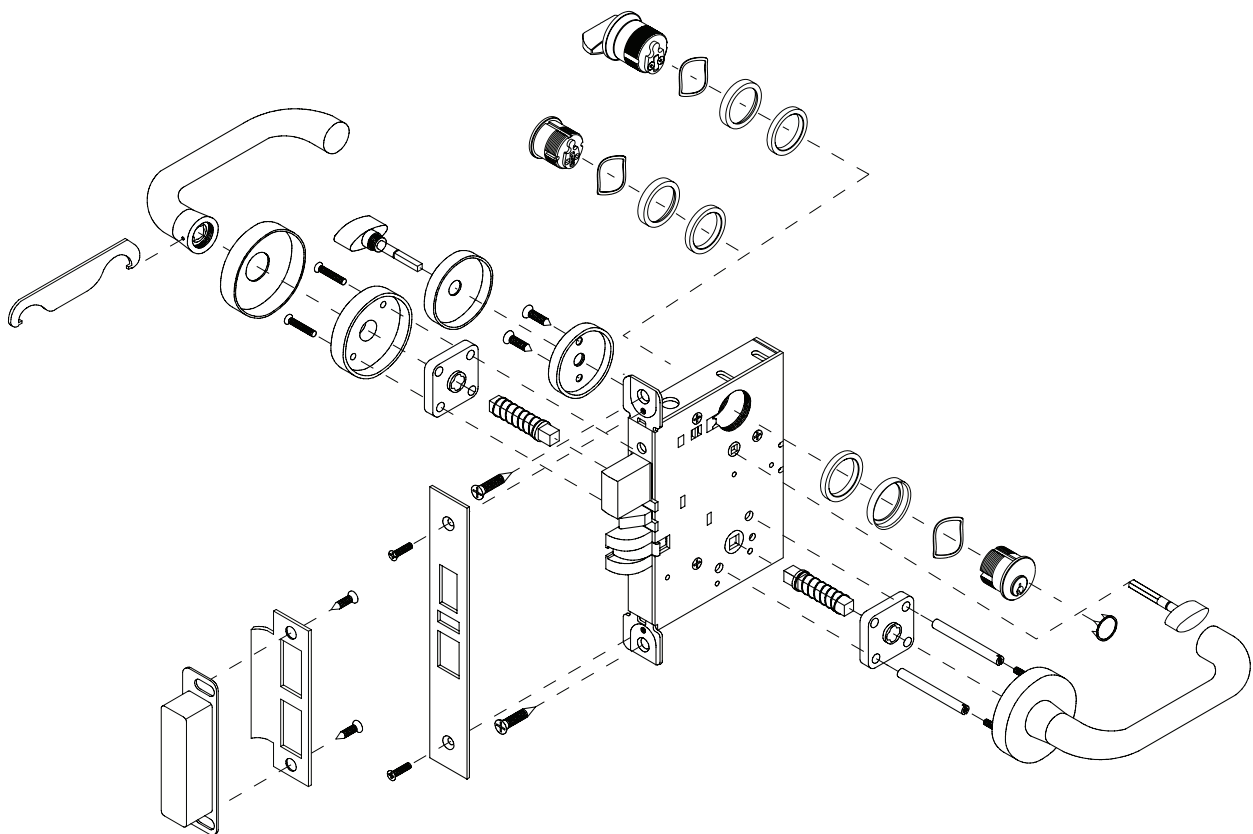
\***BreakSHIELD** is available as an option, where the lever handle turns freely instead of rigid lever when locked in order to avoid damage while a person is trying to Break-in by applying excessive or abusive stress on the lever. Lock model prefix is DBS for locks with **BreakSHIELD** feature.

## Certification

- Exceeds standards for **ANSI/BHMA A156.13** series 1000 with cycle test of 1,000,000. **Grade 1 operational, Grade 1 Security.**
- All DL1000 meets the requirement of ANSI A117.1 and ADA for barrier-free accessibility. 
- UL 10C Positive pressure rated. All DL1000 series are listed to 3 hour fire rated.

## Finish

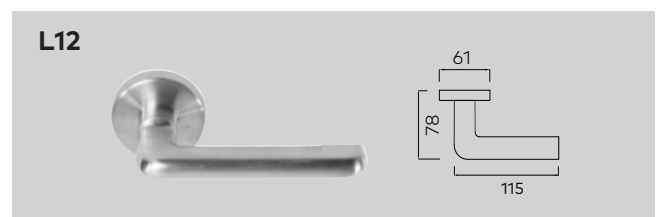
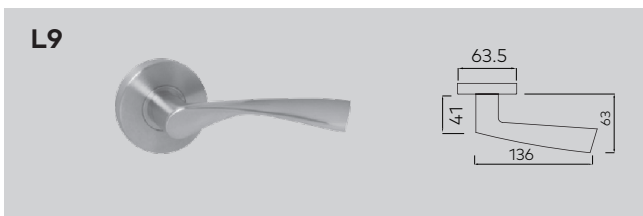
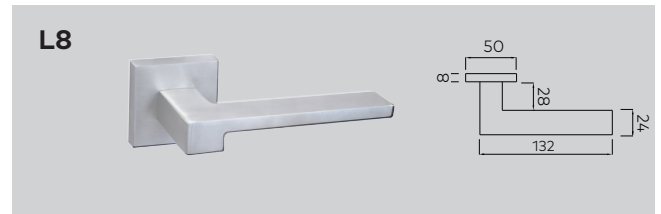
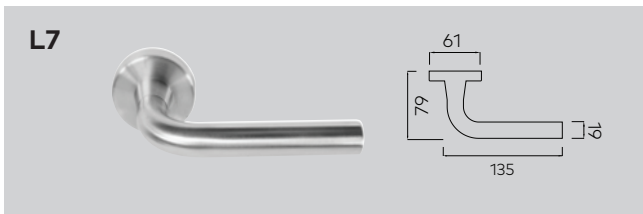
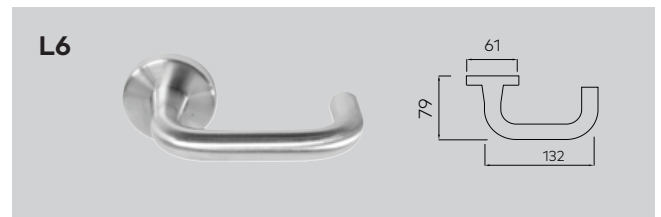
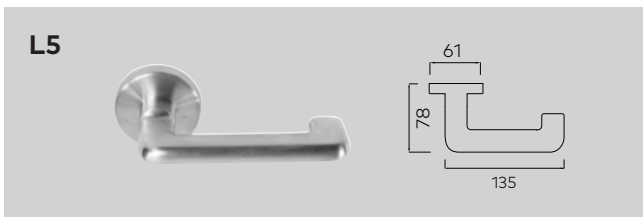
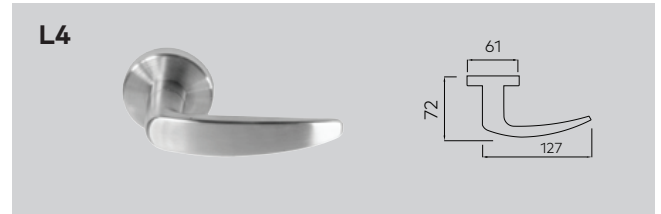
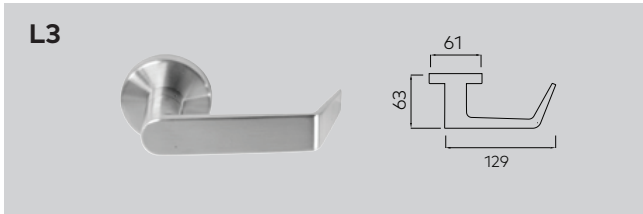
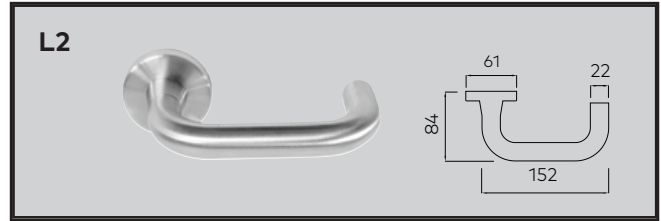
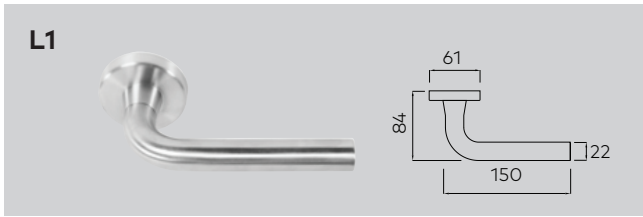
Brass : 605 PVD (Bright) or 606 PVD (Satin)  
Bronze : 612 (Satin) or 613 (Dark Oxidized Satin)  
Chrome : 626 (Satin)  
**Stainless : 630 (Satin) - Standard**



# DL1000 ANSI Mortise Lock

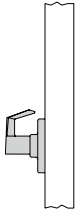
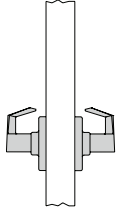
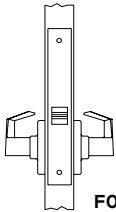
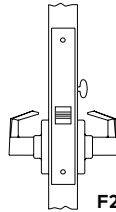
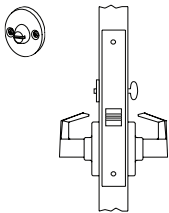
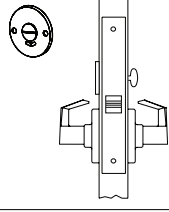
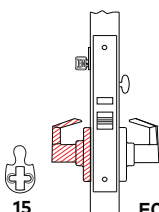
## Lever Handle options

Standard Design

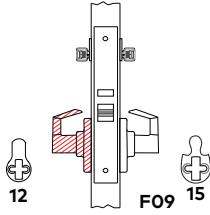
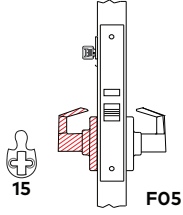
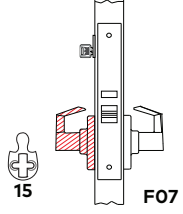
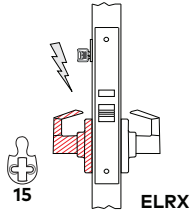
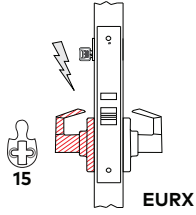
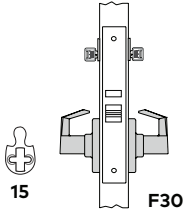
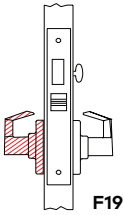


\* Custom design possible on request

## Functions

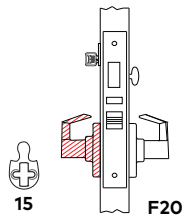
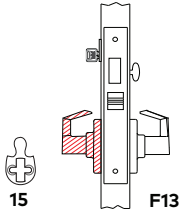
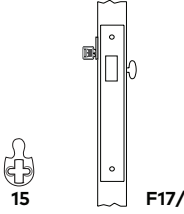
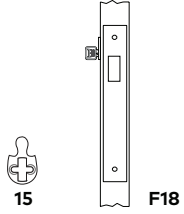
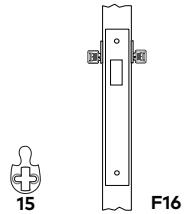
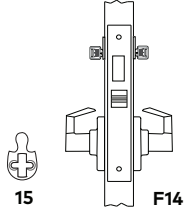
Function	Series	Outside/Inside	Description
Dummy Trim One Side	DL1001		<ul style="list-style-type: none"> <li>Used as pull or matching trim on pairs of doors.</li> </ul>
Dummy Trim Two Sides	DL1002		<ul style="list-style-type: none"> <li>Used as pull or matching trim on pairs of doors.</li> </ul>
Passage/Closet	DL1010	 <b>F01</b>	<ul style="list-style-type: none"> <li>Latch bolt operated by trim either side.</li> </ul>
Privacy, Bedroom or Bath	DL1040	 <b>F22</b>	<ul style="list-style-type: none"> <li>Latch bolt operated by trim either side, except when outside trim locked by inside turn.</li> <li>When locked, outside trim unlocked by inside trim, by closing door, by rotating inside turn, or by emergency release.</li> </ul>
Privacy with Coin Turn Outside	DL1042		<ul style="list-style-type: none"> <li>Latch bolt operated by trim either side, except when outside trim locked by inside turn or coin turn outside.</li> <li>When locked, outside trim unlocked by inside trim, by closing door, by rotating inside turn, or by rotating coin turn outside.</li> </ul>
Privacy with Indicator	DL1046		<ul style="list-style-type: none"> <li>Latch bolt operated by trim either side, except when outside trim is locked by inside turn.</li> <li>When locked, outside trim unlocked by inside trim, by rotating inside turn, or by coin turn outside.</li> <li>When outside trim is locked, RED color is displayed.</li> <li>Latch bolt deadlocked when outside trim is locked.</li> </ul>
Office/Entry	DL1050	 <b>15</b> <b>F04</b>	<ul style="list-style-type: none"> <li>Latch bolt operated by trim either side, except when outside trim locked by inside turn.</li> <li>When outside trim locked, latch bolt retracted by key outside or operated by inside trim.</li> <li>Auxiliary latch deadlocks latch bolt.</li> </ul>

## Functions

Function	Series	Outside/Inside	Description
Apartment	DL1060		<ul style="list-style-type: none"> <li>Latch bolt operated by trim either side, except when outside trim locked by key inside.</li> <li>When outside trim locked, latch bolt retracted by key outside or by inside trim.</li> <li>Auxiliary latch deadlocks latch bolt.</li> </ul>
Classroom	DL1070		<ul style="list-style-type: none"> <li>Latch bolt operated by trim either side, except when outside trim locked by key outside.</li> <li>When outside trim locked, latch bolt operated by inside trim.</li> <li>Auxiliary latch deadlocks latch bolt.</li> </ul>
Storeroom	DL1080		<ul style="list-style-type: none"> <li>Latch bolt retracted by key outside or operated by inside trim.</li> <li>Outside trim always rigid.</li> <li>Auxiliary latch deadlocks latch bolt.</li> </ul>
Electrically Locked Fail Safe with request to exit switch	DL1080ELRX		<ul style="list-style-type: none"> <li>Outside trim locked when power is on.</li> <li>Outside trim unlocked when power is interrupted.</li> <li>Latch by key outside.</li> <li>Inside trim always unlocked.</li> <li>Auxiliary latch deadlocks latch bolt.</li> </ul> <p><b>RX</b>—Request to exit</p>
Electrically Unlocked Fail Secure with request to exit switch	DL1080EURX		<ul style="list-style-type: none"> <li>Outside trim unlocked when power is on.</li> <li>Outside trim locked when power is interrupted.</li> <li>Latch by key outside.</li> <li>Inside trim always unlocked</li> <li>Auxiliary latch deadlocks latch bolt.</li> </ul> <p><b>RX</b>—Request to exit</p>
Institution	DL1082		<ul style="list-style-type: none"> <li>Latch bolt operated by key either side.</li> <li>Auxiliary latch deadlocks latch bolt.</li> <li>Trim both sides always rigid.</li> </ul>
Privacy with Dead Bolt	DL1940		<ul style="list-style-type: none"> <li>Latch bolt operated by trim either side, except when projected dead bolt locks outside trim and deadlocks latch.</li> <li>Dead bolt operated by turn inside.</li> <li>Dead bolt operated by emergency release outside.</li> <li>Inside trim operates both bolts simultaneously and unlocks outside trim.</li> </ul>



## Functions

Function	Series	Outside/Inside	Description
Entry with Dead Bolt	DL1953	 15 F20	<ul style="list-style-type: none"> <li>• Latch bolt operated by trim either side, except when outside trim locked by inside turn.</li> <li>• Dead bolt operated by key outside or turn inside.</li> <li>• Key operates both dead bolt and latch bolt.</li> <li>• Inside lever operates both bolts; outside trim remains locked.</li> <li>• Latch bolt deadlocked when outside lever locked, or dead bolt projected.</li> </ul>
Corridor with Dead Bolt	DL1956	 15 F13	<ul style="list-style-type: none"> <li>• Latch bolt operated by trim either side, except when projected dead bolt locks outside trim and deadlocks latch.</li> <li>• Dead bolt and latch retracted by key outside.</li> <li>• Dead bolt projected by turn inside or key outside.</li> <li>• Inside trim operates both bolts and unlocks outside trim.</li> </ul>
Cylinder × Turn Dead Bolt (only)	DB1960	 15 F17/F29	<ul style="list-style-type: none"> <li>• Dead bolt operated by key outside or by turn inside.</li> </ul>
Cylinder × Turn Dead Bolt (only) Classroom	DB1963		<ul style="list-style-type: none"> <li>• Dead bolt operated by key outside</li> <li>• Turn inside retracts but does not project deadbolt</li> </ul>
Cylinder × Blank Dead Bolt (only)	DB1961	 15 F18	<ul style="list-style-type: none"> <li>• Dead bolt operated by key outside only.</li> </ul>
Cylinder × Cylinder Dead Bolt (only)	DB1962	 15 F16	<ul style="list-style-type: none"> <li>• Dead bolt operated by key either side.</li> </ul>
Storeroom with Dead Bolt	DL1966	 15 F14	<ul style="list-style-type: none"> <li>• Latch bolt operated by trim either side.</li> <li>• Dead bolt operated by key either side.</li> </ul>



DL1000 Rigid when locked



DL1000 Operates latch



DL1000 Rigid when locked  
DBS1000 Turn freely when locked (**BreakSHIELD** option)

**CAUTION:** Double cylinder locks on residences and any door in any structure which is used for egress are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

# Ordering Guide



	Functions
Faculty restroom/hotel w/dead bolt/indicator	1986
Faculty restroom/hotel w/dead bolt (F15)	1985
Dormitory w/dead bolt (F21)	1973
Storeroom w/dead bolt (F14)	1966
Deadbolt Only – Classroom (F29)	1963
Deadbolt Only – Cylinder x Cylinder (F16)	1962
Cylinder x Blank DB Only (F18)	1961
Cylinder x Turn DB Only (F17)	1960
Corridor w/DB (F13)	1956
Entry w/DB (F20)	1953
Privacy w/DB (F19)	1940
Institution lock (F30)	1082
Electrically Locked Request to Exit Fail Safe	1080ELRX
Electrically Unlocked Request to Exit Fail Secure	1080EURX
Storeroom (F07)	1080
Classroom (F05)	1070
Apartment (F09)	1060
Office/Entry (F04)	1050
Privacy w/Indicator	1046
Privacy w/Coin Turn	1042
Privacy, Bedroom or Bath (F22)	1040
Passage/Closet (F01)	1010
Dummy Trim Two Sides	1002
Dummy Trim One Side	1001

- Standard door thickness is 1-3/4" (44 mm), Requirements for doors 1-13/16" (46 mm) and thicker can vary by trim and function. Consult factory for these special applications.
- BreakSHIELD Functions are available on request.
- Available on lever designs in 626/630 finishes only. Consult factory for other finishes.
- Custom design possible on request.
- Order Master Keyed (MKD) Cylinder/Core separately.
- Example shows Standard values. Refer to Lock Options section for full details.
- Grade316 Stainless Steel are available on request.
- Lead Lined option are available on request.

			Lever <sup>4</sup> Design		Finish	
			L11			
			L10			
			L9			
			L8			
			L7		630	Satin Stainless
			L6		629	Bright Stainless
			L5		626	Satin Chrome
			L4		625	Bright Chrome
			L3		613	Dark Oxidized Satin Bronze
			L2		606	Satin Brass
			L1		605	Bright Brass

	<b>DL</b>	<b>1070</b>	<b>D</b>	<b>L2</b>	<b>B</b>	<b>630</b>		<b>RH</b>
Lever Trim	DL	Less SFIC Core	J	61mm Dia. Rose			AM <sup>3</sup>	RH
Mortise Deadbolt (Only)	DB	Less Cylinder	L				Anti Microbial	LH
BreakSHIELD Function	DBS <sup>2</sup>	Conventional Cylinder (NMK)	D					Door Hand
	<b>Product Family</b>		<b>Cylinder Type <sup>5</sup></b>					



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