BS EN 12209: 2003  
Mechanically operated locks, latches and locking plates.

Products tested to British and European standards provide greater durability, longer warranty periods, peace of mind and evidence of professional specification.

Under the standard each product is tested and classified accordingly to show its compliance.

The identification of an 11-digit code is visible on the individual product. Each digit represents a category and how it measured against the standard to which it was tested.

Digit 1:  
Category of use

1 = Light use. For use by people with a high incentive to exercise care and with a small chance of misuse.

2 = Normal use. For use by people with some incentive to exercise care but where there is some chance of misuse.

3 = Extreme use. For use by people where there is little incentive to exercise care and where there is a high chance of misuse.

Digit 2:  
Durability

A = 50,000 test cycles; no load on latch bolt.
B = 100,000 test cycles; no load on latch bolt.
C = 200,000 test cycles; no load on latch bolt.
F = 50,000 test cycles; 10 N load on latch bolt.
G = 100,000 test cycles; 10 N load on latch bolt.
H = 200,000 test cycles; 10 N load on latch bolt.
L = 100,000 test cycles; 25 N load on latch bolt.
M = 200,000 test cycles; 25 N load on latch bolt.
R = 100,000 test cycles; 50 N load on latch bolt.
S = 200,000 test cycles; 50 N load on latch bolt.
W = 100,000 test cycles; 120 N load on latch bolt.
X = 200,000 test cycles; 120 N load on latch bolt.

Digit 3:  
Door mass and closing force

1 = up to 100kg door mass; 50 N maximum closing force.
2 = up to 200kg door mass; 50 N maximum closing force.
3 = above 200kg door mass or specified by the manufacturer; 50 N maximum closing force.
4 = up to 100kg door mass; 25 N maximum closing force.
5 = up to 200kg door mass; 25 N maximum closing force.
6 = above 200kg door mass or specified by the manufacturer; 25 N maximum closing force.
7 = up to 100kg door mass; 15 N maximum closing force.
8 = up to 200kg door mass; 15 N maximum closing force.
9 = above 200kg door mass or specified by the manufacturer; 15 N maximum closing force.

Digit 4:  
Suitability for use on fire/smoke doors

0 = not approved for use on fire/smoke resisting door assemblies.
1 = suitable for use on fire/smoke resisting assemblies, subject to satisfactory assessment of the contribution of the lock or latch to the fire resistance of specified fire/smoke resisting door assemblies.

Digit 5:  
Safety

Only 1 grade of safety is identified.

0 = no safety requirement.

Digit 6:  
Corrosion resistance and temperature

0 = no defined corrosion resistance, no temperature requirement.
A = low corrosion resistance, no temperature requirement.
B = moderate corrosion resistance, no temperature requirement.
C = high corrosion resistance, no temperature requirement.
D = very high corrosion resistance, no temperature requirement.
E = moderate corrosion resistance, temperature requirement from -20ºC to +18ºC.
F = high corrosion resistance, temperature requirement from -20ºC to +18ºC.
G = very high corrosion resistance, temperature requirement from -20ºC to +18ºC.

Digit 7:  
Security and drill resistance

1 = minimum security and no drill resistance.
2 = low security and no drill resistance.
3 = medium security and no drill resistance.
4 = high security and no drill resistance.
5 = high security with drill resistance.
6 = very high security and no drill resistance.
7 = very high security with drill resistance.

Digit 8:  
Field of door application

15 grades of door application are identified and summarised in the table below:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Type</th>
<th>Application 1</th>
<th>Application 2</th>
<th>Application 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Mortice</td>
<td>Unrestricted application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Mortice</td>
<td>Hinged door</td>
<td>Inwards</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Mortice</td>
<td>Sliding door</td>
<td>Supported</td>
<td>Locked from inside</td>
</tr>
<tr>
<td>D</td>
<td>Rim</td>
<td>Unrestricted application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Rim</td>
<td>Hinged door</td>
<td>Inwards</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Rim</td>
<td>Sliding door</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Bored lock</td>
<td>Unrestricted application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Mortice</td>
<td>Hinged door</td>
<td>Supported</td>
<td>Locked from inside</td>
</tr>
<tr>
<td>J</td>
<td>Rim</td>
<td>Hinged door</td>
<td>Inwards</td>
<td>Locked from inside</td>
</tr>
<tr>
<td>K</td>
<td>Mortice</td>
<td>Hinged door</td>
<td>Inwards</td>
<td></td>
</tr>
<tr>
<td>L</td>
<td>Mortice</td>
<td>Sliding door</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Rim</td>
<td>Hinged door</td>
<td>Inwards</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Rim</td>
<td>Sliding door</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Mortice</td>
<td>Hinged door</td>
<td>Supported</td>
<td>Locked from inside</td>
</tr>
<tr>
<td>R</td>
<td>Rim</td>
<td>Hinged door</td>
<td>Inwards</td>
<td></td>
</tr>
</tbody>
</table>

Lloyd Worrall  
Yannedis  
Classic Hardware  
MB Architectural

GB nationwide  
London  
York  
Belfast
# Technical Details

**BS EN 12209: 2003**  
Mechanically operated locks, latches and locking plates.

## Digit 9: Type of key operation and locking

- **0** = not applicable.
- **A** = cylinder lock or latch, manually locking.
- **B** = cylinder lock or latch, automatically locking.
- **C** = cylinder lock or latch, manually locking with intermediate locking.
- **D** = lever lock or latch, manually locking.
- **E** = lever lock or latch, automatically locking.
- **F** = lever lock or latch, manually locking with intermediate locking.
- **G** = lock or latch without key operation, manually locking.
- **H** = lock without key operation, automatically locking.

## Digit 10: Type of spindle operation

- **0** = lock or latch without follower.
- **1** = lock or latch for knob or sprung lever handle operation.
- **2** = lock or latch for unsprung lever handle operation.
- **3** = lock or latch for heavy duty unsprung lever handle operation.
- **4** = lock or latch for heavy duty unsprung lever handle operation specified by the manufacturer.

## Digit 11: Key identification requirement

- **0** = no requirements.
- **A** = minimum three detaining elements.
- **B** = minimum five detaining elements.
- **C** = minimum five detaining elements, extended number of differs.
- **D** = minimum six detaining elements.
- **E** = minimum six detaining elements, extended number of effective differs.
- **F** = minimum seven detaining elements.
- **G** = minimum seven detaining elements extended number of effective differs.
- **H** = minimum eight detaining elements, extended number of effective differs.

## Example:

```
2 H 5 1 0 E 5 A F 2 C
```

The above code signifies a mechanically operated lock and locking plate for use in an application where people have an incentive to exercise care, able to withstand a durability of 200,000 cycles with a 10 N load on the latch bolt, on a door with a mass of up to 200kg and a maximum closing force of 25N, suitable for use on a fire/smoke resisting door assembly, no safety requirement, moderate corrosion resistance in temperatures ranging from -20ºC to +18ºC, with high security and drill resistance for any use in any mortice application, with a manual locking lever lock or latch unsprung lever handle operation, a minimum of five deadlocking elements and an extended number of effective differs.

## Marking:

The standard requires the following additional information to accompany the CE Marking required for locks and latches intended for use on fire resisting doors and smoke control doors:

- a) The identification number of the notified certification body.
- b) The name or identifying mark of the manufacturer.
- c) The registered address of the manufacturer.
- d) The last two digits of the year in which the marking was applied.
- f) The classification code of the product.
European lock case range produced to DIN standards and dimensions, offering reliable heavy duty locks in standard applications.

All 55mm backset only.

Single throw deadbolt locks are suitable for use with unsprung lever handles.

Investment casting of the followers and guided deadbolt mechanism make this a severe duty range.

Available radius and square.

**Finishes**
- Satin stainless steel
- Polished brass

**Standards**
- BS EN 12209
- Certifire Approved
- Produced to DIN Standards and dimensions

**Rebate Sets**
- 12mm and 25mm rebate sets are available.
A comprehensive series of locks giving standard and special applications.

Heavy duty high security locking options.

The same case accepts British oval and European profile cylinders. Available with square or radius forend.

All locks come with boxed keeps.

### Heavy Duty – High Security

<table>
<thead>
<tr>
<th>Sashlock</th>
<th>Deadlock</th>
<th>Bathroom Lock</th>
<th>Latch</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL010</td>
<td>IL011</td>
<td>IL012</td>
<td>IL013</td>
</tr>
</tbody>
</table>

#### HEAVY DUTY AUTO DEADLOCKING

<table>
<thead>
<tr>
<th>Nightlatch Snib Holdback</th>
<th>Nightlatch No Holdback</th>
<th>Escape Nightlatch No Holdback</th>
<th>Escape Nightlatch Snib Holdback</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL014</td>
<td>IL015</td>
<td>IL016</td>
<td>IL017</td>
</tr>
</tbody>
</table>

Escape nightlatch non deadlocking version: IL018

#### HEAVY DUTY HIGH SECURITY SPECIAL APPLICATION LOCKS

<table>
<thead>
<tr>
<th>Escape Sashlock</th>
<th>Escape Deadlock</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal –</td>
<td>Internal –</td>
</tr>
<tr>
<td></td>
<td>lift lever to lock depress lever to withdraw latch and deadbolt simultaneously</td>
</tr>
<tr>
<td>External –</td>
<td>External –</td>
</tr>
<tr>
<td></td>
<td>lever operates latch bolt only, cylinder operates deadbolt</td>
</tr>
<tr>
<td>IL019</td>
<td>IL020</td>
</tr>
</tbody>
</table>

| Internal –      | lift lever to lock depress lever to unlock |
| External –      | cylinder operates deadbolt |
| Both locks must use single cylinders only |
This severe duty range of locks offer a vast array of interchangeable applications. Using a symmetrical modular system gives the ability to change the function of the door easily. Compatible with Scandinavian oval cylinders only. The cylinder follower is above the handle line. Supplied with radius forends, ideal for factory prepared doors. Lockcases have a substantial 21mm throw deadbolt and 14mm projecting latchbolt. Uses unsprung lever handles only.

For BS EN179 escape functions, refer to Escape Hardware brochure.

### Sash Lock

<table>
<thead>
<tr>
<th>Case</th>
<th>Standard</th>
<th>High Security</th>
<th>Escape Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mm</td>
<td>IL021-A</td>
<td>IL022-A</td>
<td>IL023-A</td>
</tr>
<tr>
<td>70mm</td>
<td>IL021-B</td>
<td>N/A</td>
<td>IL023-B</td>
</tr>
</tbody>
</table>

For bathroom lock use either standard sashlock or standard deadlock with 62.0500 5mm follower conversion for use with indicator and turn.

### Dead Lock

<table>
<thead>
<tr>
<th>Case</th>
<th>Standard</th>
<th>High Security</th>
<th>Sliding Door (hookbolt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mm</td>
<td>IL024-A</td>
<td>IL025-A</td>
<td>IL026-A</td>
</tr>
<tr>
<td>70mm</td>
<td>IL024-B</td>
<td>IL025-B</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Nightlatch (Auto-Deadlocking)

<table>
<thead>
<tr>
<th>Case</th>
<th>With Snib Holdback</th>
<th>With Faceplate Key Holdback</th>
<th>No Holdback</th>
<th>Non Auto-Deadlocking</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mm</td>
<td>IL027-A</td>
<td>IL028-A</td>
<td>IL029-A</td>
<td>IL030-A</td>
</tr>
<tr>
<td>70mm</td>
<td>IL027-B</td>
<td>IL028-B</td>
<td>IL029-B</td>
<td>IL030-B</td>
</tr>
</tbody>
</table>
Modular Lockcases

**Escape Nightlatch – Auto Deadlocking**

<table>
<thead>
<tr>
<th>Finish</th>
<th>Heavy Sprung</th>
<th>Heavy Sprung</th>
<th>Heavy Sprung</th>
<th>Light Sprung</th>
<th>Light Sprung</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50mm</td>
<td>70mm</td>
<td>50mm</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>SCP</td>
<td>IL031-A</td>
<td>IL032-A</td>
<td>N/A</td>
<td>IL033-A</td>
<td>IL034-A</td>
</tr>
<tr>
<td>PB</td>
<td>IL031-B</td>
<td>IL032-B</td>
<td>IL032-B</td>
<td>IL033-B</td>
<td>IL034-B</td>
</tr>
<tr>
<td>PCP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Double Latch Lock (Auto-Deadlocking)**

<table>
<thead>
<tr>
<th>Finish</th>
<th>With Snib Holdback</th>
<th>With Faceplate Key Holdback</th>
<th>No Holdback</th>
<th>Escape Function</th>
<th>Standard Latch</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCP</td>
<td>50mm</td>
<td>IL036-A</td>
<td>IL038-A</td>
<td>IL039-A</td>
<td>IL040-A</td>
</tr>
<tr>
<td>PB</td>
<td>70mm</td>
<td>IL037-B</td>
<td>IL038-B</td>
<td>IL039-B</td>
<td>IL040-B</td>
</tr>
<tr>
<td>PCP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Finishes**
- SCP – Satin chrome plated
- PB – Polished brass plated
- PCP – Polished chrome plated

**Handing Details**

- Left Hand Door (Outward Opening)
- Right Hand Door (Outward Opening)
- Left Hand Door (Inward Opening)
- Right Hand Door (Inward Opening)

**Standards**
- BS EN 12209

**REBATE SETS**
- 13mm, 19mm and 25mm rebate sets are available.
A traditional range of locks to typical British dimensions, giving standard locking functions applicable to most common uses. Available pierced to take British Oval and Euro cylinders or 5 lever, where applicable. Light sprung (LS) or heavy sprung (HS) dependent on furniture selected. Brass latch and deadbolt with hardened steel rollers.

Detailed here are just a few functions. There are many special applications and non-standard locking solutions. Please contact Lloyd Worrall for further information.
British Locks

**Latch**

<table>
<thead>
<tr>
<th>Upright Mortice Latch</th>
<th>Small Case Mortice Latch</th>
<th>Pocket Case Mortice Latch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case</td>
<td>Backset</td>
<td></td>
</tr>
<tr>
<td>63mm</td>
<td>45mm</td>
<td></td>
</tr>
<tr>
<td>76mm</td>
<td>57mm</td>
<td></td>
</tr>
<tr>
<td>102mm</td>
<td>82mm</td>
<td></td>
</tr>
<tr>
<td>IL052-A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>IL052-B</td>
<td>IL054-B</td>
<td></td>
</tr>
<tr>
<td>IL052-C</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

**Horizontal**

<table>
<thead>
<tr>
<th>British Oval Cylinder Sashlock</th>
<th>5 Lever Locking Sashlock</th>
<th>Mortice Bathroom Lock</th>
<th>Mortice Latch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case</td>
<td>Backset</td>
<td>Centres</td>
<td></td>
</tr>
<tr>
<td>127mm</td>
<td>45mm</td>
<td>57mm</td>
<td></td>
</tr>
<tr>
<td>151mm</td>
<td>57mm</td>
<td>70mm</td>
<td></td>
</tr>
<tr>
<td>IL055-A</td>
<td>IL056-A</td>
<td>IL057-A</td>
<td></td>
</tr>
<tr>
<td>IL055-B</td>
<td>IL056-B</td>
<td>IL057-B</td>
<td></td>
</tr>
<tr>
<td>IL057-A</td>
<td>IL057-B</td>
<td>IL058-A</td>
<td></td>
</tr>
<tr>
<td>IL058-B</td>
<td>IL058-B</td>
<td>IL058-B</td>
<td></td>
</tr>
</tbody>
</table>

**Indicator bolts**

Suitable for 13mm and 20mm board. Concealed bolt through fixings. Satin stainless steel. Keep sold separately.

- **IL201** Turnbolt with indicator release.
- **IL202** Extended turnbolt with indicator release.
- **IL203** Budget turnbolt with indicator release.

**Rebate Sets**

13mm, 19mm and 25mm rebate sets are available.

**OPTIONS**

5 lever locks available master keyed or keyed alike.

**Finishes**

Satin stainless steel, brass, bronze metal, antique, polished chrome.
A narrow style range of locks for the fabrication market.

Covering all the popular functions this is an ideal accompaniment to the other ranges.

Standard stock backset of 30mm.

<table>
<thead>
<tr>
<th>Finish</th>
<th>Options</th>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSS – Satin stainless steel.</td>
<td>Also available in 25mm, 35mm, 40mm and 45mm backset.</td>
<td>BSEN 12209. DIN 18251.</td>
</tr>
</tbody>
</table>
Detainer Locks

Internal handle, external key, with snib holdback facility.

IL070-LH Lockable Internal Handle LH
IL070-RH Lockable Internal Handle RH
IL071-LH Non-lockable Internal Handle LH
IL071-RH Non-lockable Internal Handle RH

13mm, 19mm and 25mm rebate sets are available.

Most door furniture can be used with this lock with minor adjustment. Please indicate which door furniture is to be used with these locks.

Sash Lock

IL072 Standard Sashlock Function

13mm, 19mm and 25mm rebate sets are available.

Most door furniture can be used with this lock with minor adjustment. Please indicate which door furniture is to be used with these locks.

5 lever Locks

IL073 Standard Deadlock Function

13mm, 19mm and 25mm rebate sets are available.

Finishes

SSS – Satin stainless steel.
BRS – Brass.

Standards

CE Marked.
BS3621-1997 (IL073)

Options

Restricted key duplication (RKS). Master keyed with each other (MK).
Can be fitted with microswitch. Single Pole (SP) or Double pole (DP).
**Technical Details**

**BS EN 1303: 2005 Revision 1  Cylinders for Locks Requirements and Test Methods**

Products tested to British and European standards provide greater durability, longer warranty periods, peace of mind and evidence of professional specification.

Under the standard each product is tested and classified accordingly to show its compliance. The identification of an 8-digit code is visible on the individual product. Each digit represents a category and how it measured against the standard to which it was tested.

**Digit 1: Category of use**

Only one category is identified.

1 = keys shall resist a torque of 2.5Nm and still be usable.

**Digit 2: Durability**

Three grade of durability will classify cylinders as either grade 4, 5 or 6 based on the number of test cycles achieved.

4 = 25,000 cycles.
5 = 50,000 cycles.
6 = 100,000 cycles.

Key strength is also tested to ensure there is no failure of the key within the durability test.

**Digit 3: Door mass**

No requirement.

**Digit 4: Fire resistance**

0 = no requirement.
1 = cylinders shall be fire tested in accordance with current fire test requirements or BS EN 1634-1.

**Digit 5: Safety**

No requirement.

**Digit 6: Corrosion resistance**

0 = no requirement.
A = conforms to grade 3 of BS EN 1670 as a minimum.
B = will resist temperature extremes of -20/+80°C
C = conforms to grade 3 of BS EN 1670 as a minimum and will resist temperature extremes of -20/+80°C.

**Digit 7: Key security**

Cylinders are classified in grades 1 to 6, where 6 is the highest. The grade can differ from one side of a double cylinder to the other. The table below provides a summary of the main security criteria:

**Digit 8: Attack resistance**

Cylinders are classified in grades 0, 1 and 2, where 2 is the highest. The table below provides a summary of the main requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistance to drilling (net drilling time)</td>
<td>0</td>
</tr>
<tr>
<td>Resistance to chisel attack (number of defined blows)</td>
<td>1</td>
</tr>
<tr>
<td>Resistance to twisting attack (number of defined twists)</td>
<td>2</td>
</tr>
<tr>
<td>Resistance to plug/cylinder extraction (pull load)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Example:**

1 6 0 B 3 1

The above code signifies a cylinder meeting the required category of use, durability grade 6 with no fire resistant requirement, will resist temperature extremes of -20/+80 °C, has a grade 3 key security and grade 1 attack resistance.

**Marking:**

This standard requires that the classification relevant to the cylinder shall be quoted in the accompanying documentation, on its labelling or packing and/or by marking the product itself or by more than one of these methods.

The marking/labelling shall include the following:

a: manufacturer’s name or trademark, or other means of identification,
b: product model identification,
c: the 8 digit classification listed above,
d: number of this European standard.
**LOCKCHART**

### System no.

<table>
<thead>
<tr>
<th>Project</th>
<th>Client</th>
<th>Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

- **Date:**
- **Signature:**

<table>
<thead>
<tr>
<th>Pos</th>
<th>Key name</th>
<th>Marking</th>
<th>Alt. Mark</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0002</td>
<td></td>
<td></td>
<td></td>
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<td>0003</td>
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<td></td>
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<td>0010</td>
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<td>0050</td>
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</tbody>
</table>

**Yannedis**

Architectural Ironmongery | Access Control | Door Automation
Six pin tumblers plus sidebar mechanism with five sidepins. Mechanism and keyblanks are protected by worldwide patents. Incorporates anti-drill and anti-pick protection. 1.9 billion usable combinations. Dual security levels may be combined with lower cost medium security cylinders in the same system. Designed for large or complex master key systems. Assembled in our workshop facility.

There is a strict registration procedure and all keys are uniquely marked for greater key control.

### Finishes

1, 7: SCP, PCP, PB. 6, 9: SSS.

### Cylinder With Thumbturns

<table>
<thead>
<tr>
<th>Turn</th>
<th>IL102-A</th>
<th>IL102-B</th>
<th>IL102-C</th>
<th>IL103-A</th>
<th>IL103-B</th>
<th>IL103-C</th>
<th>IL109-A</th>
<th>IL109-B</th>
<th>IL109-C</th>
<th>IL110-A</th>
<th>IL110-B</th>
<th>IL110-C</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 pin patented cylinders</td>
<td><strong>Oval Turn (7)</strong></td>
<td><strong>Stainless Steel (6) Turn (Large)</strong></td>
<td><strong>61mm</strong></td>
<td><strong>71mm</strong></td>
<td><strong>81mm</strong></td>
<td><strong>61mm</strong></td>
<td><strong>71mm</strong></td>
<td><strong>81mm</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Euro</strong></td>
<td>IL102-A</td>
<td>IL102-B</td>
<td>IL102-C</td>
<td>IL103-A</td>
<td>IL103-B</td>
<td>IL103-C</td>
<td>IL109-A</td>
<td>IL109-B</td>
<td>IL109-C</td>
<td>IL110-A</td>
<td>IL110-B</td>
<td>IL110-C</td>
</tr>
<tr>
<td><strong>Oval</strong></td>
<td>IL110-A</td>
<td>IL110-B</td>
<td>IL110-C</td>
<td>IL111-A</td>
<td>IL111-B</td>
<td>IL111-C</td>
<td>IL112-A</td>
<td>IL112-B</td>
<td>IL112-C</td>
<td><strong>61mm</strong></td>
<td><strong>71mm</strong></td>
<td><strong>81mm</strong></td>
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</tbody>
</table>

### Single Turn

<table>
<thead>
<tr>
<th>Turn</th>
<th>IL107-A</th>
<th>IL107-B</th>
<th>IL107-C</th>
<th>IL113-A</th>
<th>IL113-B</th>
<th>IL113-C</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 pin patented cylinders</td>
<td><strong>Oval Turn (7)</strong></td>
<td><strong>Turn Large (6)</strong></td>
<td><strong>40mm</strong></td>
<td><strong>45mm</strong></td>
<td><strong>50mm</strong></td>
<td><strong>40mm</strong></td>
</tr>
<tr>
<td><strong>Euro</strong></td>
<td>IL107-A</td>
<td>IL107-B</td>
<td>IL107-C</td>
<td>IL113-A</td>
<td>IL113-B</td>
<td>IL113-C</td>
</tr>
<tr>
<td><strong>Oval</strong></td>
<td>IL113-A</td>
<td>IL113-B</td>
<td>IL113-C</td>
<td>IL113-A</td>
<td>IL113-B</td>
<td>IL113-C</td>
</tr>
</tbody>
</table>

Specify Turn (1,6,7 or 9) when ordering.
11 pin patented cylinders

<table>
<thead>
<tr>
<th>Double</th>
<th>Single</th>
</tr>
</thead>
<tbody>
<tr>
<td>Euro</td>
<td></td>
</tr>
<tr>
<td>61mm</td>
<td>IL101-A</td>
</tr>
<tr>
<td>71mm</td>
<td>IL101-B</td>
</tr>
<tr>
<td>81mm</td>
<td>IL101-C</td>
</tr>
<tr>
<td>Oval</td>
<td></td>
</tr>
<tr>
<td>61mm</td>
<td>IL108-A</td>
</tr>
<tr>
<td>71mm</td>
<td>IL108-B</td>
</tr>
<tr>
<td>81mm</td>
<td>IL108-C</td>
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</table>

<table>
<thead>
<tr>
<th>Single Outside</th>
<th>Single Internal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scandinavian Oval</td>
<td>IL117</td>
</tr>
<tr>
<td>IL115</td>
<td>IL116</td>
</tr>
<tr>
<td>Scandinavian double cylinder consists of 1 each of IL115 and IL116.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Round</th>
<th>Screw IN MORTICE CYLINDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL118</td>
<td>IL119</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Padlocks</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL120</td>
</tr>
<tr>
<td>IL121</td>
</tr>
<tr>
<td>IL122</td>
</tr>
<tr>
<td>IL123</td>
</tr>
<tr>
<td>IL124</td>
</tr>
<tr>
<td>IL125</td>
</tr>
</tbody>
</table>

**Finishes**
Satin chrome plated, polished chrome plated, polished brass, black chrome (padlocks).

**Standards**
International Patent protected. BS EN 1303 grade 5 cylinder. BS EN 12320 grade 3 to 6 padlocks.
5 pin patented cylinders

A medium security five pin tumbler with longitudinal pin. Mechanism and key blanks are protected by international patents.

29,000 usable differs for small to medium size master key systems.

Assembled in our own workshops.

<table>
<thead>
<tr>
<th>Cylinder Type</th>
<th>Model</th>
<th>Finish Description</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oval Turn (7)</td>
<td>IL130-A</td>
<td>Stainless Steel</td>
<td>61mm</td>
<td>Single Turn</td>
</tr>
<tr>
<td></td>
<td>IL130-B</td>
<td></td>
<td>71mm</td>
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<tr>
<td></td>
<td>IL130-C</td>
<td></td>
<td>81mm</td>
<td></td>
</tr>
<tr>
<td>Oval Turn (7)</td>
<td>IL134-A</td>
<td>Stainless Steel</td>
<td>61mm</td>
<td>Single Turn</td>
</tr>
<tr>
<td></td>
<td>IL134-B</td>
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<td>71mm</td>
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<td></td>
<td>IL134-C</td>
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<td>81mm</td>
<td></td>
</tr>
<tr>
<td>Oval Turn (7)</td>
<td>IL136-A</td>
<td>Stainless Steel</td>
<td>61mm</td>
<td>Single Turn</td>
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<td></td>
<td>IL136-B</td>
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<td>71mm</td>
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<td></td>
<td>IL136-C</td>
<td></td>
<td>81mm</td>
<td></td>
</tr>
<tr>
<td>Oval Turn (7)</td>
<td>IL138-A</td>
<td>Stainless Steel</td>
<td>40mm</td>
<td>Single Turn</td>
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<td></td>
<td>IL138-B</td>
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<td>45mm</td>
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<td></td>
<td>IL138-C</td>
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<td>50mm</td>
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Specify Turn (1, 6, 7 or 9) when ordering.

Finishes:
1, 7: SCP, PCP, PB
6, 9: SSS
# 5 pin patented cylinders

<table>
<thead>
<tr>
<th>Double</th>
<th>Single</th>
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<tbody>
<tr>
<td><img src="image" alt="Euro Lock" /></td>
<td><img src="image" alt="Oval Lock" /></td>
</tr>
<tr>
<td>61mm IL140-A</td>
<td>40mm IL141-A</td>
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<tr>
<td>71mm IL140-B</td>
<td>45mm IL141-B</td>
</tr>
<tr>
<td>81mm IL140-C</td>
<td>50mm IL141-C</td>
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<tr>
<td>61mm IL142-A</td>
<td>40mm IL143-A</td>
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<tr>
<td>71mm IL142-B</td>
<td>45mm IL143-B</td>
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<tr>
<td>81mm IL142-C</td>
<td>50mm IL143-C</td>
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### Single Outside Single Internal

**Scandinavian Oval**

- **IL144**
- **IL145**

Scandinavian double cylinder consists of 1 each of IL144 and IL145.

### Rim Cylinder Screw IN MORTICE CYLINDER

**Round**

- **IL146**
- **IL147**

### Padlocks

- **IL148**
- **IL149**
- **IL150**
- **IL151**

### Finishes

Satin chrome plated, polished chrome plated, polished brass, black chrome (padlocks).

### Standards

International Patent protected. BS EN 1303 grade 4. BS EN 12320 grade 3.
This brochure is not intended to be used for project specification. It offers an overview of the products and services available. If however, a product is specified from this brochure you are advised to contact us first to check if there have been any changes or alterations to the product specification.

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