Access for All door furniture

The Disability Discrimination Act (DDA), which has now been incorporated into the Equality Act 2010, aims to make it a duty to avoid discrimination against disabled people and requires that reasonable adjustments to the design of buildings are made to provide this universal level of access.

Part M of the Equality Act Regulations “Access to and use of buildings”; requires reasonable provision for access by people to buildings. Regardless of compliance with Building Regulations, there is also an obligation under the Equality Act for service providers and employers to consider barriers created by physical features in buildings.

A fully revised version of BS 8300 was published in February 2009 following a comprehensive review of the content. This document includes heavily modified guidance on ironmongery. Much of it relates to a relaxation in design, allowing a more flexible approach to the specification.

In general doors must be as easy to use for as many people as possible and a badly designed, positioned or fitted handle will exclude some people from opening or closing the door easily and independently.

Lever handle guidelines:

BS 8300 gives the example of a conventional round bar, return to door lever handle, but other designs are acceptable, as long as they meet the dimensional criteria:

• Fixing height 800-1050mm, with 900mm being the preferred position.
• Handle to be of a horizontal type:
• Hand grip zone of at least 95mm.
• Hand grip zone at least 45mm from face of door.
• Lever diameter at least 19mm
• Lock/latch backset at least 54mm from door edge.
• Handle to contrast visually with the face of the door by 15 points.

Pull handle guidelines:

BS 8300 gives the example of a conventional D shape pull handle, but other designs are acceptable, as long as they meet the dimensional criteria:

• Top end of pull handle no lower than 1300mm above the floor.
• Bottom end of pull handle no lower than 700mm and no higher than 1000mm above the floor (effectively allowing 300mm pull handles).
• Vertical pull handle 19mm - 35mm diameter.
• Cranked pull handle 19mm - 35mm diameter.
• Hand grip zone at least 45mm from face of door.
• Handle to contrast visually with the face of the door by 15 points.

Other considerations:

L Shaped handles:

This type of handle is especially useful to a wheelchair user who will be able to close the door behind then more easily without having to turn and reach for a handle which is fitted to the edge of the door. A person who may have limited strength or mobility will also make better use of this type of handle, having the choice of the horizontal or the vertical section to use. Also the full length horizontal section will give support when the door is open and a person is passing through.

Thumbturns:

Should be avoided where possible as they can be difficult to operate for people with limited mobility or strength or people with arthritis. If they must be used, then make are that they are as large and as easy to operate as possible.
**Indicator Set Options**

**Set One**
- Bathroom lock with standard lever furniture with special needs internal thumbturn, and emergency release.

**Set Two**
- Bathroom deadbolt with 8mm spindle follower, unsprung flip-up lever set and 8mm follower emergency release.

**Set Three**
- Bathroom deadbolt with 5mm spindle, standard special needs internal thumbturn and emergency release.

**Set Four**
- Special bathroom lock with flip-up lever internal locking, internal lever and emergency release, with engraved sign disc.

**Set Five (Hinged & sliding door option)**
- Face fixed facility lift-up lever (handed) with indicator and small pull handles.

**Set Six (Sliding door option)**
- Claw action bathroom deadbolt with standard special needs internal thumbturn and emergency release.

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**Finishes**
- Satin stainless steel, polished stainless steel, satin anodised aluminium, polished brass, satin anodised aluminium, polished anodised aluminium. Colour coated to any RAL colour.

**Fixings**
- All necessary fixings supplied.

**Options**
- The above sets can be incorporated into most patterns of lever furniture.
### Clutch Thumbturn Mechanisms

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>IA820</td>
<td>Cylinder ring and turn</td>
</tr>
<tr>
<td>IA821</td>
<td>Indicator set and turn</td>
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</tbody>
</table>

#### Exterior
- **Key operates deadbolt and latchbolt.** Lever handle retracts latchbolt. Holding the internal turn does not prevent the door being opened.

#### Interior
- **Turn operates a deadbolt and latchbolt.** Lever handle or knob retracts latchbolt.

Clutch thumbturn for use with lockcase, IL021-B and IL024-B, internal cylinder ring fitted externally. This allows the lock to be dismantled from the outside if required, in an emergency. Also available as bathroom set with external indicator and emergency release. Please specify your choice of lever furniture.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>IA822</td>
<td>Dedicated lever accessory set</td>
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<tr>
<td>IL021</td>
<td>Lockcase</td>
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</tbody>
</table>

Indicator with emergency release lever retracts latchbolt. Lift lever to lock depress lever to release both bolts.

#### Finishes
- Clutch turn: Satin stainless steel.
- IA822: Satin chrome, polished brass

Specially designed for use in mental health and institutional residences, the principal advantage lies in the cylinder clutch mechanism. Once inserted, the key renders the thumbturn inoperable. This enables the unlocking of the door even if the turn is held on the inside.

Available with euro and British oval cylinder types suite to a MK in various sizes. Please consult with your technical representative.

- 60mm Euro cylinder and turn
- 70mm Euro cylinder and turn
- 80mm Euro cylinder and turn
- 60mm British oval cylinder and turn
- 70mm British oval cylinder and turn
- 80mm British oval cylinder and turn

#### Finishes
- Satin nickel, polished chrome, polished brass, satin brass.

#### Options
- Can be incorporated in a master key suite with other cylinders in our range. Classroom function also available.

#### Fixings
- All necessary fixings supplied.
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.

The information contained in this brochure in both text and picture format is believed to be accurate and correct at time of going to press. However, due to circumstances beyond our control, and with a policy of continued product and service development, the information contained may be subject to change. We therefore reserve the right to alter or adjust any details illustrated in this brochure without prior notice.

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