



Door Furniture – Introduction

Quality starts with performance and durability

The first point of contact for anyone entering and moving around a building is the door hardware, whether that is a pull handle or a lever handle. In addition to having the right look, the hardware you select must have the right feel and finish and be backed up by a level of performance which will ensure the hardware is suited to the application and the amount of use it will have to endure.

Specifying Allegion furniture

The ranges of door furniture available from Allegion enable specifiers to select items across the full hardware requirement of the door and beyond from the same range. This ensures full compatibility of the fittings, producing a unified appearance in all cases.

Whether your choice is for satin stainless steel or solid nylon, all the components within the range are produced to a high standard of

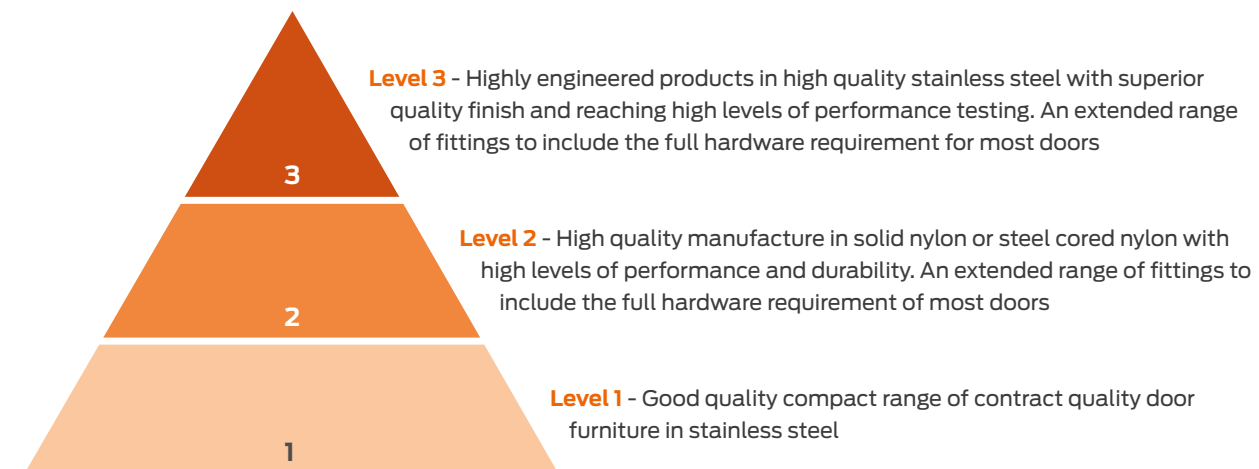
finish and with a level of certified performance suitable for the majority of applications.

Briton, Randi and Normbau lever furniture is fully compatible across the entire range of Briton and CISA lockcases. However, only specific lever handles are certified for use on escape route doors which have been fitted with escape sashlocks. These are identified in the following pages but we recommend you

consult our Technical Department for further information.

Performance Levels

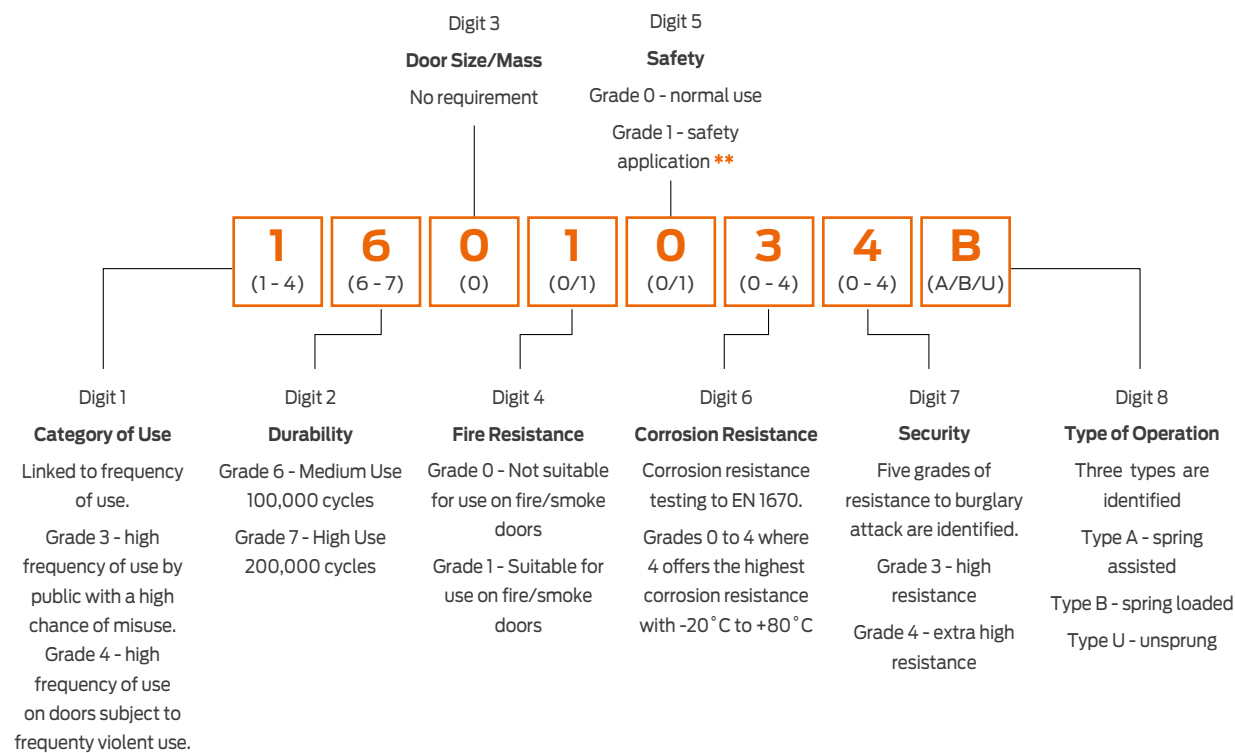
Our multi-level approach to door furniture ensures there is a solution for all projects, applications and budgets.



Door Furniture – Legislation

EN 1906

All forms of lever and knob door operating furnitures are covered by EN 1906. It provides details on product types by use, durability testing, fire resistance, corrosion resistance and safety using an 8 digit classification code.



** to qualify for Grade 1 Safety, handles must have high strength lever to plate/rose fixing, high strength plate/rose to door fixing and high strength lever to spindle fixing, such that they would withstand a person grabbing the lever in order to prevent falling.

It is recommended that only Safety Grade 1 furniture is used on doors at the top of a staircase for example.

EN 1935

Single axis hinges, both fixed pin and lift off hinges, are covered by EN 1935. It provides details on product types by use, durability, fire resistance, corrosion resistance and a grading using an 8 digit classification code.



Door Size/Mass

Grade	Door Mass
0	10kg
1	20kg
2	40kg
3	60kg
4	80kg
5	100kg
6	120kg
7	160kg

Hinge Grades

Grade	Usage	Test Cycles	Door Mass
1	Window	10,000	10kg
2	Window	10,000	20kg
3	Window/Door	25,000	20kg
4	Door	200,000	20kg
5	Window	10,000	40kg
6	Window/Door	25,000	40kg
7	Door	200,000	40kg
8	Window	10,000	60kg
9	Window/Door	25,000	60kg
10	Door	10,000	60kg
11	Door	200,000	80kg
12	Door	200,000	100kg
13	Door	200,000	120kg
14	Door	200,000	160kg

Door Furniture – Legislation

The Equality Act - disability legislation

The concept of universal access is not new but it still provides a challenge for the construction industry.

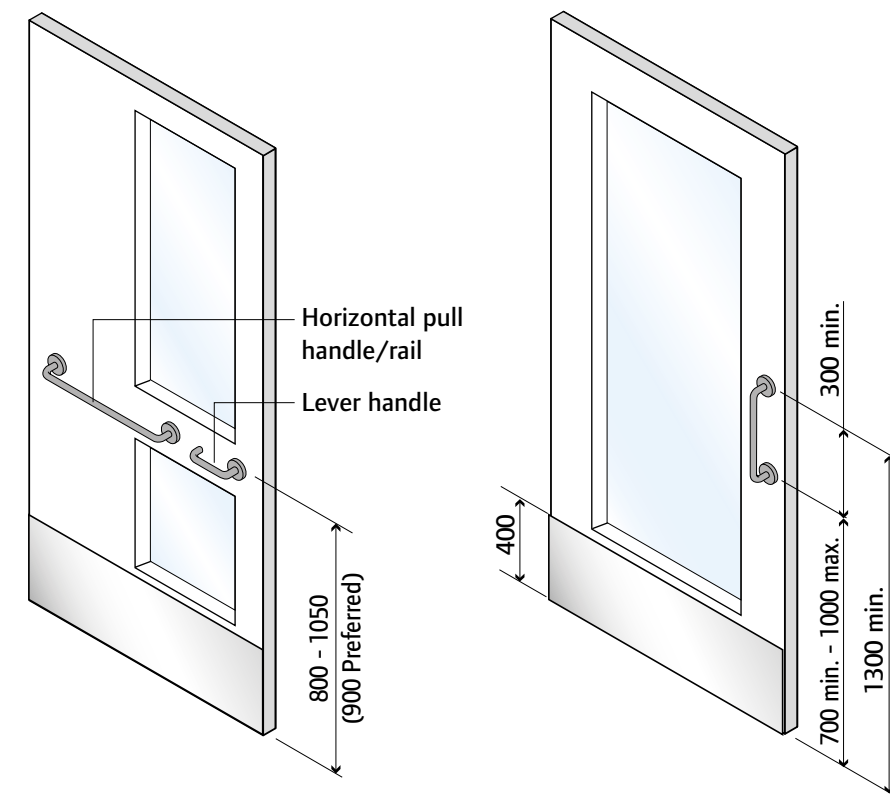
Legislation aimed at providing universal accessibility of buildings requires service providers to make "reasonable adjustments to the physical features of their premises to overcome barriers to access".

To meet obligations under the Equality Act, Approved Document M (ADM) of The Building Regulations and BS 8300 continue to be the yardsticks by which conformity is measured.

Products in this category which conform to the recommendations of BS 8300 and ADM are shown with this symbol.



BS 8300 - Dimensional guidance



BS 8300 & ADM

Approved Document M of The Building Regulations stipulates that operating hardware "... can be operated with one hand using a closed fist, e.g. a lever handle."

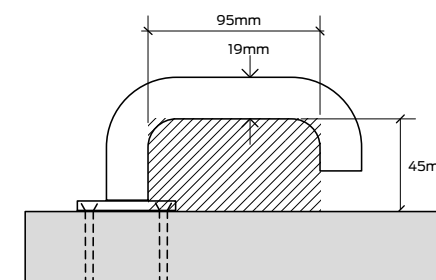
BS 8300 however is more specific and sets out both dimensional recommendations and mounting positions which are shown opposite.

To assist people with a visual impairment, BS 8300 also includes a recommendation for visual contrast between the door and

its operating hardware measured as the difference in their light reflective value (LRV). Whilst there is no definitive answer, research has shown that a minimum of 30 points of difference in LRV is recommended although 20 points may also be considered to be acceptable.

Allegion can provide LRV measurements where necessary.

Lever handle dimensions



Pull handle dimensions

