

BS EN1906:2010

BS EN 1906:2010 Building Hardware – Lever Handles and Knob Furniture

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

- 1 = medium frequency of use with a high incentive to exercise care and a small chance of misuse.
- 2 = medium frequency of use by people with some incentive to exercise care but where there is some chance of misuse,
- 3 = high frequency of use by public or others with little incentive to exercise care and with a high chance of misuse.
- 4 = for use on doors which are subject to frequent violent usage.

Digit 2: Durability

- 6 = medium use – 100,000 cycles.
- 7 = high use – 200,000 cycles.

Digit 3: Door mass and closing force

No requirement.

Digit 4: Suitability for use on fire/smoke doors

- 0 = not approved for fire and smoke doors.
- A = for use on smoke control door assemblies.
- B = for use on smoke control and fire resistance door assemblies.
- C = for use on smoke control and fire resistance door assemblies with requirements for special core in the handle/knob.

Digit 5: Safety

- 0 = normal use.
- 1 = safety application (to quality for this grade, handles must have high strength handle-to-plate and handle-to-door fixing and/or handle-to-spindle fixing to withstand a person grabbing the handle in order to prevent falling).

Digit 6: Corrosion resistance

- 0 = no defined corrosion resistance.
- 1 = mild resistance (minimum requirement for internal use).
- 2 = moderate resistance.
- 3 = high resistance (minimum requirement for external use).
- 4 = very high resistance.
- 5 = extremely high resistance.

N.B. Products intended to develop a natural patina (such as brass or bronze) are not required to comply with any requirements).

Digit 7: Security and drill resistance

- 0 = not approved for use on burglary resistance doors.
- 1 = mild burglary resistance.
- 2 = moderate burglary resistance.
- 3 = high burglary resistance.
- 4 = extra high burglary resistance.

Digit 8: Field of door application

- A = spring assisted furniture.
- B = spring loaded furniture.
- U = unsprung furniture.

Example:

4 7 - B 1 4 3 U

The above code signifies a lever handle for use on a door that has a high frequency of use and is subject to frequent violent abuse. It may be suitable for use on smoke control and fire resistance door assemblies and for use where safety is important. It has a very high corrosion resistance and a high burglary resistance suitable for external doors. It is of the unsprung type.

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