

# BS 8424:2004

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Pull Handles - 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 a 6-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.

This standard specifies the performance requirement and testing methods for door mounted pull handles incorporating one fixing point or more. It incorporates the same classification system used in European Standards for Building Hardware.

Digit 1: Category of use

- 1 = light duty.
- 2 = medium duty.
- 3 = heavy duty.
- 4 = severe duty.

Digit 2: Durability

- 2 = 5,000 test cycles.

Digit 3: Door mass and closing force

- No requirement.

Digit 4: Suitability for use on fire/smoke doors

- 0 = not approved for use on fire/smoke door assemblies.
- 1 = suitable for use on fire/smoke door assemblies, subject to satisfactory assessment of the contribution of the emergency device to the fire resistance of specified fire/smoke door assemblies.

Digit 5: Safety

- 1 = safe.

Digit 6: Corrosion resistance

- 0 = no defined corrosion resistance.
- 1 = low resistance.
- 2 = moderate resistance.
- 3 = high resistance.
- 4 = very high resistance.

Example:

3 2 - 1 1 4

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 fire 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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