Washware Essentials
5 Brearley Court, Baird Road Waterwells Business Park Gloucester GL2 2AF
Phone: 01275 400456
Web: https://www.washwareessentials.co.uk
Email: enquiries@washwareessentials.co.uk

Bariatric Toilet – Heavy Duty Stainless Steel WC Pan





Product Code: BAR

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Heavy duty stainless steel bariatric toilet, manufactured from 2mm thick stainless steel and **static load tested to 2,447kg (5,394lbs)**. Designed for bariatric users and specialist accessible washrooms where increased strength, stability and durability are essential.

The bariatric WC pan features a wide, stable floor-standing design, with the base extending to the same width as the top of the toilet. Unlike conventional WC pans that narrow towards the floor, this provides a broad supporting footprint for improved stability. Combined with secure wall and floor fixings, the design provides a robust installation for demanding bariatric and accessible washroom environments.

The toilet has undergone extensive manufacturer load testing and is supported by European Standard EN 997 flushing performance testing and a manufacturer's Declaration of Conformity.

Available with either rear or top entry flushpipe connections for use with concealed or exposed cisterns.

Manufactured Within Our Partner Group

The BAR bariatric toilet is manufactured by Acorn Engineering, part of our international partner group of companies. This is not simply a third-party product sourced from an unrelated manufacturer, but an established design manufactured within our wider group.

Our direct relationship with the manufacturer provides access to original technical specifications, product development information and supporting test documentation, including the manufacturer's 1,000kg working load specification, 2,447kg static load test and EN 997 performance testing.

Features and Benefits

- **Static load tested to 2,447kg (5,394lbs)** – manufacturer testing recorded no permanent damage or deformation following a 10-minute static load test.
- **1000kg working load specification.**
- Manufactured from heavy duty 2mm thick stainless steel for exceptional strength and durability.
- White powder coated exterior with an uncoated stainless steel internal bowl and trap.
- Full-width floor-standing design, with the base matching the width of the toilet top to provide a broad, stable supporting footprint.
- Secure wall and floor fixing points for additional stability and a robust installation.
- Designed for bariatric users, disabled facilities and specialist healthcare applications.
- Tested in accordance with European Standard EN 997, covering flushing performance, cleanability, water seal, leak tightness and structural resistance.
- Manufacturer's CE Declaration of Conformity to EN 997:2012+A1:2015 available.
- Designed for a nominal 6 litre full flush.
- Available with rear entry flushpipe connection for concealed cisterns or top entry connection for exposed cisterns.
- Optional heavy duty Big John toilet seat and cover, load tested to 500kg.
- Specified for specialist installations involving local authority occupational therapy departments.
- Normally available from UK stock.

Bariatric Toilet Load Testing – 2,447kg

Unlike conventional ceramic WC pans, the BAR bariatric toilet is manufactured from heavy duty stainless steel and designed to provide additional structural strength for demanding applications.

The full-width base is an important feature of the toilet's structural design. By maintaining the same width from the seating area down to the floor, the toilet provides a broad supporting footprint rather than relying on a narrower pedestal. This design, together with the heavy duty stainless steel construction and secure fixing arrangement, contributes to the toilet's overall stability.

The manufacturer's documented static load testing was carried out on the floor-standing bariatric toilet (manufacturer's model WH2125A).

During testing, a combined load of **2,447kg (5,394lbs)** was applied to the toilet for a continuous period of 10 minutes.

Following removal of the load:

- No visible permanent damage was identified.
- No structural failure was recorded.
- No noticeable change in the measured seat height was detected.
- The toilet successfully completed the manufacturer's static load test.

The toilet is also supported by EN 997 testing documentation, including a separate 4kN static load test maintained for one hour, with no permanent deformation, cracking or weld failure recorded.

These results provide documented evidence of the strength of the stainless steel WC pan, offering additional reassurance to architects, healthcare specifiers, occupational therapists and facilities managers.

Important: The 2,447kg figure represents a manufacturer-applied static test load and should not be interpreted as the recommended maximum user weight or safe working load. The load capacity of the complete installation will depend on the toilet seat, fixings, supporting surfaces and installation arrangement.

EN 997 European Standard – Flushing Performance

In addition to structural load testing, the bariatric toilet is supported by manufacturer testing carried out in accordance with **EN 997:2012+A1:2015**, the European standard for WC pans and WC suites with integral traps.

The documented testing covers a range of performance requirements, including:

- **6 litre flushing performance** – tested with a nominal full-flush volume of 6 litres.
- **Bowl washing efficiency** – successful testing of the flushing system's ability to clean the internal bowl surface.
- **Toilet paper clearance** – successful removal of the required quantity of toilet paper in four out of five tests.
- **Solid waste simulation** – successful plastic-ball clearance testing, with all five tests exceeding the specified minimum clearance requirement.
- **Water seal depth** – measured at 63.5mm, exceeding the 50mm minimum requirement.
- **Oversplash prevention** – successful testing to assess water splashing beyond the toilet bowl.
- **Water tightness** – no leakage recorded from the WC pan, cistern or their connection during testing.
- **Structural load resistance** – successful one-hour static load testing at approximately 4kN.

The manufacturer has also issued a Declaration of Conformity covering the relevant EN 997 performance characteristics.

This supporting technical documentation provides valuable information when specifying a bariatric WC for healthcare, accessible washroom and specialist accommodation projects.

Designed for Bariatric and Accessible Washrooms

The BAR bariatric toilet is suitable for installations requiring a robust alternative to standard ceramic sanitaryware.

Typical applications include:

- Hospitals and bariatric healthcare facilities.
- Care homes and nursing homes.
- Assisted living accommodation.
- Local authority disabled toilet adaptations.
- Occupational therapy projects.
- Specialist accessible washrooms.
- Residential adaptations for heavier users.
- Healthcare and rehabilitation facilities.

The substantial stainless steel construction and wide floor-standing base make the toilet particularly suitable for environments where additional strength and stability are required.

The appropriate WC height, seat and supporting equipment should be selected to meet the needs of the individual user and the requirements of the installation.

Cistern and Flushpipe Connections

The bariatric toilet is available with two alternative flushpipe arrangements to suit different installation requirements.

Rear Entry – Concealed Cistern

A rear entry flushpipe connection allows the toilet to be installed back to wall with a concealed cistern positioned behind the wall or within a suitable service void.

Top Entry – Exposed Cistern

A top entry flushpipe connection allows the toilet to be installed with an exposed cistern and flushpipe, providing convenient access to the flushing components for maintenance.

Both arrangements retain the toilet's substantial floor-standing base and secure wall and floor fixing design.

Optional Heavy Duty Toilet Seat

The bariatric toilet can be supplied with an optional Big John heavy duty toilet seat and cover, load tested to 500kg.

The Big John seat provides a wider seating area than a conventional toilet seat and is designed for bariatric applications.

The seat is available as an additional option and is not included with the standard WC pan unless selected.

Please note that the load testing of the stainless steel toilet pan and the load testing of the toilet seat are separate. The maximum recommended user weight for the complete installation must take account of the seat, fixings and installation method.

Technical Specification

Specification	Details

Product code	BAR
Product type	Floor-standing bariatric WC pan
Material	2mm thick grade 304 stainless steel
External finish	White powder coated
Internal bowl and trap	Internal bowl and trap
Internal bowl and trap	Uncoated stainless steel
Static load test	2,447kg (5,394lbs) for 10 minutes
European standard load test	4kN for 1 hour
Flushing volume	Nominal 6 litres
European standard	EN 997:2012+A1:2015
Fixing method	Wall and floor fixing
Flushpipe connections	Rear entry or top entry
Toilet seat	Optional Big John heavy duty seat and cover
Cistern	Optional Big John heavy duty seat and cover

Options

- Rear entry flushpipe connection for concealed cistern.
- Top entry flushpipe connection for exposed cistern.
- Big John heavy duty toilet seat and cover, load tested to 500kg.
- Concealed low level plastic cistern with through-wall operating lever and flushpipe.
- Exposed heavy duty white cistern with lever and flushpipe.

Technical Documentation and Testing

The following manufacturer documentation is available to support specification and procurement:

Bariatric Toilet Static Load Test Report – documenting the 2,447kg load test on model WH2125A.

EN 997 European Standard Test Report – detailing flushing performance, cleanability, water seal, leak tightness and structural load testing.

Manufacturer's CE Declaration of Conformity – documenting declared performance against EN 997:2012+A1:2015.

Please contact our sales team if you require technical documentation or assistance specifying the bariatric toilet for a particular installation.

Bariatric Toilet Buying & Specification Guide

Choosing the correct bariatric toilet involves more than simply checking its weight capacity. The design of the toilet, structural load testing, stability, seat capacity and installation requirements all need to be considered.

Our comprehensive guide explains these important factors, including the difference between a manufacturer's working load and static load testing, the requirements of EN 997 and what to consider when specifying a heavy duty WC for healthcare, accessible washrooms or domestic adaptations.

Read Our Complete Guide to Bariatric Toilets – Weight Capacity, Testing & Specification

Delivery

Normally available from stock, with delivery usually within 1–2 working days.

Please contact us for current availability or larger project requirements.

**All pictures shown are for illustration purpose only and may be subject to change without notice. Actual product may vary due to product enhancement.
All dimensions shown are for guidance only and may be subject to change or alteration without notice. All items manufactured or purchased separately from a third party to fit our products should be checked against the actual dimensions of the physical product before purchase. We will not be liable for third party costs and consequential loss associated with the items not fitting third party components.**