

Manufacturing



British Standards
Online | **BSOL**[™]

Ensuring your products are always
of consistent high quality

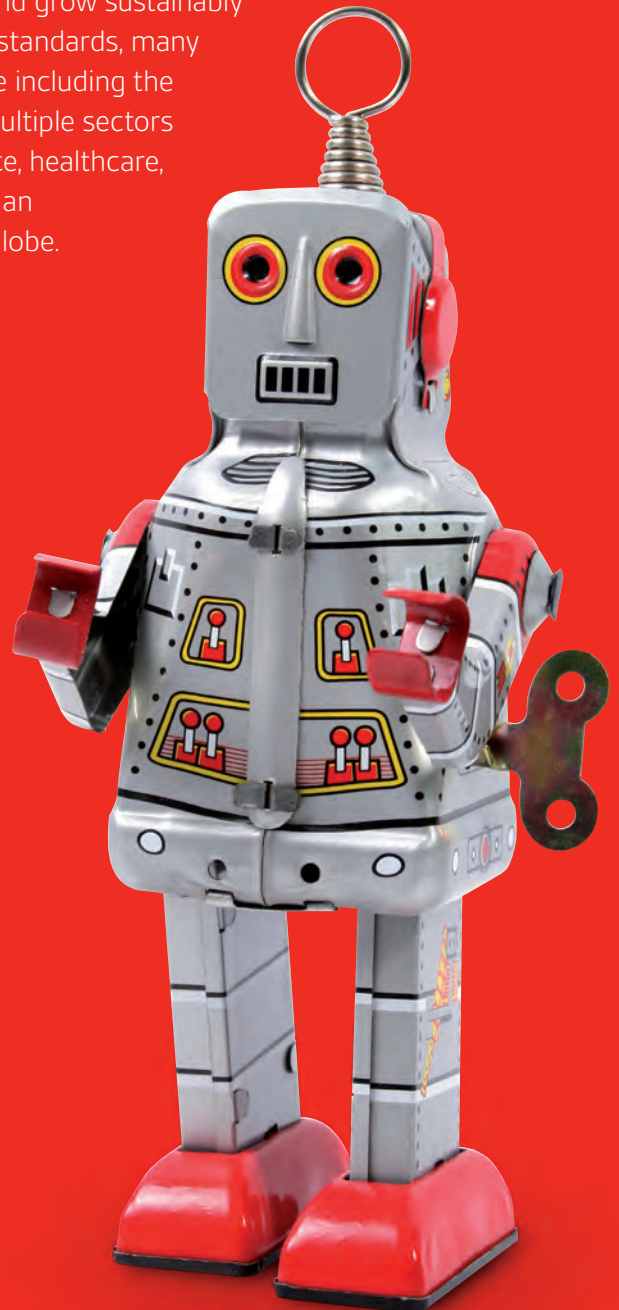
bsi.

...making excellence a habit.[™]

About BSI

BSI (British Standards Institution) is the business standards company that equips businesses with the necessary solutions to turn standards of best practice into habits of excellence. Formed in 1901, BSI was the world's first National Standards Body and a founding member of the International Organization for Standardization (ISO).

Over a century later it continues to facilitate business improvement across the globe by helping its clients drive performance, manage risk and grow sustainably through the adoption of international management systems standards, many of which BSI originated. Renowned for its marks of excellence including the consumer recognized BSI Kitemark™, BSI's influence spans multiple sectors including aerospace, construction, energy, engineering, finance, healthcare, IT and retail. With over 70,000 clients in 150 countries, BSI is an organization whose standards inspire excellence across the globe.



The manufacturing industry

For manufacturers, market conditions in today's economy are changing at an extraordinary rate. Globally, manufacturing continues to grow. It now accounts for approximately 16% of global GDP and 14% of employment*. Some of the most significant challenges are dealing with intense global competition, handling cost pressures, and adapting to different consumer needs. Manufacturing organizations, regardless of size, are now focusing on simplification and business transformation. BSI is here to ensure that you are prepared for change.

Introducing British Standards Online, the faster easier way to work with manufacturing standards

British Standards Online (BSOL) is the online standards database that makes using standards easier and more cost effective. Access over 60,000 British, European and adopted international standards from your desktop. It is available 24/7 and revised every day so you'll always be up to date.

Super-fast access to standards

Just browse, search and download the information you need. You will find what you're looking for in seconds – searching by standard number, keyword or phrase.

Automatic updates to your email

You will always have access to the latest standards and you can set up automatic email updates to alert you when a standard changes.

More cost-effective than buying individual standards

Save money on administration costs by choosing a collection of standards instead of buying individual standards. The more you choose the more money you save.

Here are some of the benefits of using BSOL:

- stay ahead of your competitors
- win tenders and plan contracts
- comply with changing regulations
- reduce risks in design and ensure quality
- assure customers that your standards are up to date and consistent across your business



BSOL – A faster, easier way to work with standards

With BSOL, understand complex manufacturing matters through our range of standards and publications. Access all the information you need to help you comply with European and UK regulation and directives, including:

- 94/9/EC: Equipment for explosive atmospheres (ATEX)
- 2006/95/EC: Low Voltage (LVD)
- 2006/42/EC: Machinery (MD)
- 2004/22/EC: Measuring instruments (MID)
- 94/62/EC: Packaging and packaging waste
- 97/23/EC: Pressure Equipment Directive (PED)
- 2011/65/EU: Restriction of the use of certain hazardous substances (RoHS)
- 2009/48/EC: Toy safety
- 98/37/EC: Machinery safety
- 73/23/EEC: Low Voltage Equipment
- 2004/108/EC: Electromagnetic Compatibility (EMC)
- 2002/96/EC and 2003/108/EC: Waste Electrical and Electronic Equipment (WEEE)
- 93/42/EEC: Medical Devices (MDD)
- 95/16/EC: Lifts Directive
- Construction Product Regulations

BSOL can provide access to all British Standard versions of European and adopted international standards. As an example of what you can access through BSOL, here are some of the manufacturing subsectors and key standards:

Electric cables

- **BS 6004:2012** Electric cables. PVC insulated and PVC sheathed cables for voltages up to and including 300/500 V, for electric power and lighting
- **BS EN 50525-1:2011** Electric cables. Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - general requirements

Engineering design

- **BS 8888:2013** Technical product documentation and specification
- **BS 8887 series.** Design for manufacture, assembly, disassembly and end-of-life processing

Lighting

- **BS EN 60598 series.** Luminaires
- **BS EN 61347 series.** Lamp control gear
- **BS EN 62386 series.** Digitally addressable lighting interface
- **BS 5266 series.** Emergency lighting

Metals (including steels, copper and aluminium alloys, and metals testing)

- **BS EN 10025-1:2004** Hot rolled products of structural steels - General technical delivery conditions
- **BS EN 10025-2:2004** Hot rolled products of structural steels - Technical delivery conditions for non-alloy structural steels
- **BS EN 10225:2009** Weldable structural steels for fixed offshore structures. Technical delivery conditions
- **BS EN 1706:2010** Aluminium and aluminium alloys. Castings. Chemical composition and mechanical properties

- **BS EN 573 series.** Aluminium and aluminium alloys. Chemical composition and form of wrought products
- **BS EN 755 series.** Aluminium and aluminium alloys. Extruded rod/bar, tube and profiles

Pressure vessels

- **PD 5500** Specification for unfired fusion welded pressure vessels
- **EN 13445 series.** Unfired pressure vessels

Safety (of toys, domestic appliances, motor tools, AV equipment)

- **BS EN 71 series.** Safety of toys
- **BS EN 61508 series.** Functional safety

Screws and treaded fasteners

Extensive set of ISO, CEN and British Standards including:

- **BS 1580 series.** Unified screw threads
- **BS 919 series.** Screw gauge limits and tolerances
- **BS 3643 series.** ISO metric screw threads

Welding

- **BS EN 1011 series.** Welding guidelines
- **BS EN ISO 5817** Welding in steel – quality levels
- **BS EN ISO 3834 series.** Quality for welding
- **BS EN ISO 13920** Welding – general tolerances for welded constructions
- **BS 7910:2013** Guide to methods for assessing the acceptability of flaws in metallic structures

BSOL MODULES

BSOL covers all industries and sectors. Below is a complete listing of all the modules within the full collection. Your collection can be tailored to suit your needs.

- | | | |
|---|---|---|
| 01. Documentation | 20. Electric Lamps, Power Generation, Distribution & Storage | 40. Metallurgy |
| 02. Information & Finance | 21. Electronic Components & Devices | 41. Metal Products |
| 03. Vocabularies | 22. Electromechanical Components | 42. Wood Technology |
| 04. Management, Law & Quality | 23. Telecommunications | 43. Glass & Ceramics Industries |
| 05. Sciences & Healthcare | 24. IT Software & Networking | 44. Rubber Industry |
| 06. Environment & Waste | 25. IT Hardware & Office Machines | 45. Plastics Industry |
| 07. Occupational & Personal Safety | 26. Image Technology | 46. Paper Products & Technology |
| 08. Fire, Accident & Crime Prevention | 27. Road Vehicle Engineering | 47. Paint & Colour Industries |
| 09. Metrology | 28. Railway Engineering | 48. Construction in General |
| 10. Testing | 29. Shipbuilding & Marine Structures | 49. Building Materials & Components |
| 11. Screw Threads & Fasteners | 30. Aircraft & Aerospace Engineering | 50. Building Installations & Finishing |
| 12. Mechanical Systems & Components | 31. Materials for Aerospace Construction | 51. Civil Engineering |
| 13. Fluid Systems & Components | 32. Aerospace Components & Fasteners | 52. Domestic Equipment & Appliances |
| 14. Manufacturing Engineering | 33. Materials Handling Equipment | 53. Sports Equipment & Entertainment |
| 15. Metal Treatment & Welding | 34. Packaging & Distribution | 71. BSI Books - Management, Quality & Risk |
| 16. Energy & Heat Transfer Engineering | 35. Textiles, Leather & Clothing | 72. BSI Books - ICT & Information Governance |
| 17. Electrical Engineering General | 36. Agriculture & Agricultural Engineering | 73. BSI Books - Construction & Fire |
| 18. Electrical Components | 37. Food Technology | 81. Wiring Regulations collection. |
| 19. Electrical Accessories, Switchgear and Controlgear | 38. Chemical Technology | |
| | 39. Mining & Petroleum Technology | |

"Efficient service that provides our business with relevant technical information at a time we need it, our twelfth man."

Matthew Charlton, Applications & Development Engineer, Weir Valves & Controls UK Ltd

If you'd like to find out how BSOL can help your organization, or request a no obligation quote or demo:

Visit: bsigroup.com/BSOL

Call: +44 845 086 9001

Email: BSOLsales@bsigroup.com

Office hours: Monday to Friday
09:00-17:00 (UK time)

bsi.

BSI Group
389 Chiswick High Road
London W4 4AL
United Kingdom

T: +44 845 086 9001
E: cservices@bsigroup.com
Visit bsigroup.com

