

		BS EN 10210-1: 2006 (Current)	Hot finished structural hollow sections of non-alloy and fine grain structural steels Part 1: Technical delivery requirements		
		BS EN 10164: 2004 (Current)	Steel products with improved deformation properties perpendicular to the surface of the product – Technical delivery conditions		
		BS EN 10219-1: 2006 (Current)	Cold formed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery requirements		

Comparison of BS and BS EN for DT of steel materials

This table only highlights the comparison of BS and BS EN on Destructive Testing of steel materials, which are relevant to plan approval.

Title of BS	BS	BS EN/other standards	Title of BS EN/other standards	Status
Method for tensile testing of metals (including aerospace materials)	BS 18:1987 (Superseded, Withdrawn)	BS EN 10002-1:2001 (withdrawn) and ISO 6892: 1998 (withdrawn) both standard are replaced by BS EN ISO 6892-1: 2009 (withdrawn again) replaced by BS EN ISO 6892-1: 2016 (Current)	Tensile testing of metallic materials. Part 1: Method of test at ambient temperature Metallic materials – Tensile testing at ambient temperature Metallic materials – Tensile testing Part 1: Method of test at ambient temperature Metallic materials – Tensile testing Part 1: Method of test at room temperature (ISO 6892-1: 2016)	Approval related
Methods for notched bar tests. Part 2: The Charpy V-notch impact test on metals	BS 131-2:1972 (Superseded, Withdrawn)	BS EN 10045-1: 1990 (Superseded, Withdrawn) Replaced by	Charpy impact test on metallic materials. Part 1: Test method (V- and U-notches)	Low priority

		BS EN ISO 148-1: 2010 (withdrawn again) replaced by	Metallic materials – Charpy pendulum impact test. Part 1: Test method		
		BS EN ISO 148-1: 2016 (Current)	Metallic materials – Charpy pendulum impact test. Part 1: Test method (ISO148-1 : 2016)		
Method for Brinell hardness test and for verification of Brinell hardness testing machines	BS 240: 1986 (Superseded, Withdrawn)	BS EN ISO 6506: 1-3: 2005 (Revised, Withdrawn) Replaced by	Metallic materials. Brinell hardness test. Part 1: Test method. Part 2: Verification and calibration of testing machines Part 3: Calibration of reference blocks Metallic materials. Brinell hardness test.		Low priority
		BS EN ISO 6506: 2014 Part 1 to 3 (Current)	Part 1: Test method. Part 2: Verification and calibration of testing machines Part 3: Calibration of reference blocks		
Method for Vickers hardness test and for verification of Vickers hardness testing machines	BS 427:1990 (Superseded, Withdrawn)	BS EN ISO 6507: 1-3: 2005 (Current)	Metallic materials. Vickers hardness test. Part 1: Test method. Part 2: Verification and calibration of testing machines Part 3: Calibration of reference blocks		Low priority

Comparison of BS and BS EN for Dimensional Tolerances

This table only highlights the comparison of BS and BS EN on dimensional tolerances of steel products, which are relevant to plan approval.

Title of BS	BS	BS EN/other standards	Title of BS EN/other standards	Status
Structural steel sections Part 1: Specification for hot rolled sections	BS 4-1: 2005 (Current)			Low priority
	-	BS EN 10024: 1995 (Current)	Hot rolled taper flange I sections. Tolerances on shape and dimensions.	Low priority
Weldable structural steels	BS 4360:1990 (Superseded, Withdrawn)	BS EN 10029: 1991 (Revised, Withdrawn) BS EN 10029: 2010 (Current)	Specification for tolerances on dimensions, shape and mass for hot rolled steel plates 3 mm thick or above Hot-rolled steel plates 3 mm thick or above. Tolerances on dimensions and shape	Low priority
Structural steel sections Part 1: Specification for hot rolled sections	BS 4-1: 1980 (Superseded, Withdrawn)	BS EN 10034: 1993 (Current)	Structural Steel I and H sections. Tolerances on shape and dimensions.	Low priority
	-	BS EN 10055: 1996 (Current)	Hot rolled steel equal flange tees with radiused root and toes. Dimensions and tolerances on shape and dimensions.	Low priority

<p>Hot rolled structural steel sections Part 4: Equal and unequal angles</p>	<p>BS 4848-4:1972 (Superseded, Withdrawn)</p>	<p>BS EN 10056-1: 1999 (Withdrawn) Replaced by</p> <p>BS EN 10056-1: 2017 (Current)</p> <p>BS EN 10056-2: 1993 (Current)</p>	<p>Specification for structural steel equal and unequal angles. Part 1: Dimensions.</p> <p>Specification for structural steel equal and unequal angles. Part 1: Dimensions.</p> <p>Specification for structural steel equal and unequal angles. Part 2: Tolerances on shape and dimensions.</p>		<p>Low priority</p>
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Comparison of BS and BS EN on Corrosion Protection

This table only highlights the comparison of BS and BS EN on Corrosion Protection of steel, which are relevant to plan approval.

Title of BS	BS	BS EN/other standards	Title of BS EN/other standards	Status
	-	BS EN ISO 11124-1:1997 (Current)	Preparation of steel substrates before application of paints and related products. Specifications for metallic blast-cleaning abrasives. Part 1: General introduction and classification.	Low priority
	-	BS EN ISO 11124-2:1997 (Current)	Preparation of steel substrates before application of paints and related products. Specifications for metallic blast-cleaning abrasives. Part 2: Chilled iron.	Low priority
Specification for chilled iron shot and grit	BS 2451: 1963 (Superseded, Withdrawn)	BS EN ISO 11124-3: 1997 (Current)	Preparation of steel substrates before application of paints and related products. Specifications for metallic blast-cleaning abrasives. Part 3: High carbon cast-steel shot and grit.	Low priority
		BS EN ISO 11124-4: 1997 (Current)	Preparation of steel substrates before application of paints and related products. Specifications for metallic blast-cleaning abrasives. Part 4: Low carbon cast-steel shot.	Low priority
Specification for sheradized coatings on iron and steel articles	BS 4921: 1973 (Withdrawn, superseded)	BS 4921: 1988 (Current)	Specification for sherardized coatings on iron and steel.	Low priority
Specification for metallic zinc-rich priming paint (organic media)	BS 4652: 1971 (Withdrawn, superseded)	BS 4652: 1995 (Current)	Specification for zinc-rich priming paint (organic media)	Low priority

Specification for sprayed metal coatings. Part 1: Protection of iron and steel by aluminium and zinc against atmospheric corrosion	BS 2569-1: 1964 (Withdrawn, superseded)	BS EN 22063: 1994 (Superseded, Withdrawn) by BS EN ISO 2063: 2005 (Current)	Metallic and other inorganic coatings. Thermal spraying. Zinc, aluminium and their alloys. Thermal spraying. Metallic and other inorganic coatings. Zinc, aluminium and their alloys.		Low priority
Specification for hot-dip galvanized coatings on iron and steel articles	BS 729 : 1971 (Superseded, Withdrawn)	BS EN ISO 1461: 1999 (Withdrawn) BS EN ISO 1461: 2009 (Current)	Hot-dip galvanized coatings on fabricated iron and steel articles. Specifications and test methods. Hot-dip galvanized coatings on fabricated iron and steel articles. Specifications and test methods. (ISO 1461 : 2009)		Approval related

Comparison of BS and BS EN for Welding consumables

This table only highlights the comparison of BS and BS EN on welding consumables, which are relevant to plan approval.

Title of BS	BS	BS EN/other standards	Title of BS EN/other standards	Status
Covered carbon and carbon manganese steel electrodes for manual metal-arc welding	BS 639:1986 (Superseded, Withdrawn)	BS EN 499: 1995 (Superseded, Withdrawn) by BS EN ISO 2560: 2005 (withdrawn) replaced by BS EN ISO 2560 : 2009 (Current)	Welding consumables- Covered electrodes for manual metal arc welding of non-alloy and fine grain steels – Classification Welding consumables- Covered electrodes for manual metal arc welding of non-alloy and fine grain steels - Classification	Approval related
Filler rods and wires for gas-shielded arc welding. Part 1: Ferritic steels	BS 2901-1: 1983 (Superseded, Withdrawn)	BS EN 440: 1995 (withdrawn) Replaced by BS EN ISO 14341: 2008 (Revised, Withdrawn) BS EN ISO 14341: 2011 (Current)	Welding consumables- Wire electrodes and deposits for gas shielded metal arc welding of non-alloy and fine grain steels – Classification. Welding consumables. Wire electrodes and weld deposits for gas shielded metal arc welding of non alloy and fine grain steels. Classification	Low priority
Specification for electrode wires and fluxes for the submerged arc welding of carbon steel and medium-tensile steel	BS 4165: 1984 (Superseded, Withdrawn)	BS EN 756: 2004 (Superseded, Withdrawn) Replaced by	Welding consumables- Solid wires, solid wire-flux and tubular cored electrode-flux combinations for submerged arc welding of non-alloy and fine grain steels – Classification	Low priority

		BS EN ISO 14171: 2010 (withdrawn again) replaced by	Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of non alloy and fine grain steels – Classification		
		BS EN ISO 14171: 2016 (Current)	Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of non alloy and fine grain steels – Classification (ISO 14171 : 2016)		
Specification for carbon and carbon-manganese steel tubular cored welding electrodes	BS 7084: 1989 (Revised, Withdrawn)	BS EN 758: 1997 (Superseded, Withdrawn) Replaced by BS EN ISO 17632 : 2008 (withdrawn) replaced by BS EN ISO 17632 : 2015 (Current)	Welding consumables- Tubular cored electrodes for metal arc welding with and without a gas shield of non-alloy and fine grain steels – Classification Welding consumables- Tubular cored electrodes for gas shielded and non-gas shielded metal arc welding of non-alloy and fine grain steels – Classification” Welding consumables- Tubular cored electrodes for gas shielded and non-gas shielded metal arc welding of non-alloy and fine grain steels – Classification”		Low priority

Comparison of BS and BS EN for Welding Standard, Procedure, Coordination and Welder

This table only highlights the comparison of BS and BS EN on Welding Standard, Procedure, Coordination and Welder, which are relevant to plan approval.

Title of BS	BS	BS EN/other standards	Title of BS EN/other standards		Status
Specification for arc welding of carbon and carbon manganese steels	BS 5135:1984 (Superseded, Withdrawn)	BS EN 1011-1:1998 (Revised, Withdrawn) Replaced by BS EN 1011-1: 2009 (Current) BS EN 1011-2:2001 (Current)	Welding. Recommendations for welding of metallic materials. General guidance for arc welding Welding. Recommendations for welding of metallic materials. General guidance for arc welding Welding. Recommendations for welding of metallic materials. Arc welding of ferritic steels		Approval related
Specification for approval testing of welding procedures. Part 1: Fusion welding of steel.	BS 4870-1:1981 (Superseded, Withdrawn)	BS EN ISO 15614-1: 2004 (+ A1 : 2008 / +A2 : 2012) (withdrawn) replaced by BS EN ISO 15614-1: 2017 (Current)	Specification and qualification of welding procedures for metallic materials. Welding procedure test. Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys Specification and qualification of welding procedures for metallic materials. Welding procedure test. Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys		Approval related

Part 3: Arc welding of tube to tube-plate joints in metallic materials	BS 4870-3:1985 (Superseded, Withdrawn)	BS EN ISO 15614-8:2002 (withdrawn) replaced by BS EN ISO 15614-8:2016 (Current)	Specification and qualification of welding procedures for metallic materials – welding procedure test Part 8: Welding of tubes to tube-plate joints Specification and qualification of welding procedures for metallic materials – welding procedure test Part 8: Welding of tubes to tube-plate joints (ISO 15614-8 : 2016)		Approval related
Part 4: Specification for automatic fusion welding of metallic materials, including welding operator approval	BS 4870-4:1988 (Superseded, Withdrawn)	BS EN 1418: 1998 (Superseded, Withdrawn) Replaced by BS EN ISO 14732 : 2013 (Current)	Welding personnel. Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials. Welding personnel. Qualification testing of welding operators and weld setters for mechanized and automatic welding of metallic materials.		Approval related
	-	BS EN 719: 1994 (Superseded, Withdrawn) Replaced by BS EN ISO 14731 : 2006 (Current)	Welding co-ordination. Tasks and responsibilities Welding co-ordination. Tasks and responsibilities		Approval related

	-	<p>BS EN 729-2: 1995 (Superseded, Withdrawn) Replaced by BS EN ISO 3834-2: 2005 (Current)</p>	<p>Quality requirements for welding. Fusion welding of metallic materials. Comprehensive quality requirements.</p> <p>Quality requirements for fusion welding of metallic materials. Part 2: Comprehensive quality requirements.</p>		Low priority
	-	<p>BS EN 729-3: 1995 (Superseded, Withdrawn) by</p> <p>BS EN ISO 3834-3:2005 (Current)</p>	<p>Quality requirements for welding. Fusion welding of metallic materials. Part 3: Standard quality requirements.</p> <p>Quality requirements for fusion welding of metallic materials. Part 3: Standard quality requirements</p>		Low priority
	-	<p>BS EN 729-4:1995 (Superseded, Withdrawn) by</p> <p>BS EN ISO 3834-4:2005 (Current)</p>	<p>Quality requirements for welding. Fusion welding of metallic materials. Part 4: Elementary quality requirements.</p> <p>Quality requirements for fusion welding of metallic materials. Part 4: Elementary quality requirements</p>		Low priority

Specification for approval testing of welders to approved welding procedures. Fusion welding of steel	BS 4871-1:1982 (Superseded, Withdrawn)	BS EN 287-1:2004 (Superseded, Withdrawn) Replaced by BS EN 287-1:2011 (Superseded, Withdrawn at year 2013) Replaced by BS EN ISO 9606-1 : 2013	Qualification test of welders. Fusion welding. Part 1: Steels Qualification test of welders. Fusion welding. Part 1: Steels Qualification testing of welders--- Fusion welding. Part 1: Steels		Approval related
Specification for approval testing of welders to approved welding procedures. Part 3: Arc welding of tube to tube-plate joints in metallic materials	BS 4871-3:1985 (Current)				Low priority
Specification for approval testing of welders when welding procedure approval is not required Part 1: Fusion welding of steel	BS 4872-1: 1982 (Current)				Low priority

Comparison of BS and BS EN for DT of welds

This table only highlights the comparison of BS and BS EN on Destructive Testing of welds, which are relevant to plan approval.

Title of BS	BS	BS EN/other standards	Title of BS EN/other standards	Status	
Methods of destructive testing, fusion welded joints and weld metal in steel	BS 709:1983 (Superseded, Withdrawn)	BS EN 875: 1995 (Superseded, Withdrawn) Replaced by BS EN ISO 9016: 2011 (Superseded, Withdrawn) Replaced by BS EN ISO 9016 : 2012 (Current)	Destructive tests on welds in metallic materials. Impact tests. Test specimen location, notch orientation and examination. Destructive tests on welds in metallic materials. Impact tests. Test specimen location, notch orientation and examination Destructive tests on welds in metallic materials. Impact tests. Test specimen location, notch orientation and examination (ISO9016: 2012)	Low priority	
		BS EN 876: 1995 (Superseded, Withdrawn) Replaced by BS EN ISO 5178: 2011 (Current)	Destructive tests on welds in metallic materials. Longitudinal tensile test on weld metal in fusion welded joints. Destructive tests on welds in metallic materials. Longitudinal tensile test on weld metal in fusion welded joints		Low priority
		BS EN 895: 1995 (Superseded, Withdrawn) Replaced by	Destructive tests on welds in metallic materials. Transverse tensile test.		Low priority

<p>BS EN ISO 4136: 2011 (Superseded, Withdrawn) Replaced by</p>	<p>Destructive tests on welds in metallic materials. Transverse tensile test</p>		
<p>BS EN ISO 4136 : 2012 (Current)</p>	<p>Destructive tests on welds in metallic materials. Transverse tensile test (ISO4136: 2012)</p>		
<p>BS EN 910: 1996 (Superseded, Withdrawn) Replaced by</p>	<p>Destructive tests on welds in metallic materials. Bend tests.</p>		<p>Low priority</p>
<p>BS EN ISO 5173: 2010 + A1 : 2011 (Current)</p>	<p>Destructive tests on welds in metallic materials - Bend tests.</p>		
<p>BS EN 1043-1: 1996 (Superseded, Withdrawn) Replaced by</p>	<p>Destructive tests on welds in metallic materials. Hardness testing. Part 1: Hardness test on arc welded joints.</p>		<p>Low priority</p>
<p>BS EN ISO 9015 –1 : 2011 (Current)</p>	<p>Destructive tests on welds in metallic materials. Hardness testing. Part 1: Hardness test on arc welded joints.</p>		

BS EN 1320: 1997 (Superseded, Withdrawn)	Destructive test on welds in metallic materials. Fracture tests.		Low priority
Replaced by BS EN ISO 9017 : 2013 (Current)	Destructive test on welds in metallic materials. -- Fracture tests. (ISO 9017 : 2001)		
BS EN 1321: 1997 (Superseded, Withdrawn)	Destructive test on welds in metallic materials. Macroscopic and microscopic examination of welds		Low priority
Replaced by BS EN ISO 17639 : 2013 (Current)	Destructive test on welds in metallic materials --- Macroscopic and microscopic examination of welds		

Comparison of BS and BS EN for NDT of welds

This table only highlights the comparison of BS and BS EN on Non-Destructive Testing of welds, which are relevant to plan approval.

Title of BS	BS	BS EN/other standards	Title of BS EN/other standards		Status
Code of practice. Visual inspection of fusion welded joints.	BS 5289:1976 (Superseded, Withdrawn)	BS EN 970:1997 (Superseded, Withdrawn) Replaced by BS EN ISO 17637:2011 (withdrawn) replaced by BS EN ISO 17637:2016 (Current)	Non-destructive examination of fusion welds – Visual examination Non-destructive testing of welds. Visual testing of fusion-welded joints Non-destructive testing of welds. Visual testing of fusion-welded joints		Low priority
Method for penetrant flaw detection.	BS 6443:1984 (Superseded, Withdrawn)	BS EN 571-1:1997 (Superseded, Withdrawn) Replaced by BS EN ISO 3452-1 : 2013 (Current)	Non-destructive testing – Penetrant testing Part 1: General principles Non-destructive testing – Penetrant testing Part 1: General principles		Low priority
Method for magnetic particle flaw detection	BS 6072:1981 (Current, Obsolescent, Superseded)	BS EN 1290:1998 (withdrawn) replaced by	Non-destructive examination of welds – Magnetic particle examination of welds		Low priority

		<p>BS EN ISO 17638 : 2009 (withdrawn) replaced by</p> <p>BS EN ISO 17638 : 2016 (Current)</p> <p>BS EN ISO 9934-1:2001 (Withdrawn) Replaced by</p> <p>BS EN ISO 9934-1 : 2015 (withdrawn again) replaced by BS EN ISO 9934-1 : 2016 (Current)</p>	<p>Non-destructive testing of welds – Magnetic particle testing</p> <p>Non-destructive testing of welds – Magnetic particle testing (ISO 17638 : 2016)</p> <p>Non-destructive testing. Magnetic particle testing. Part 1: General principles.</p> <p>Non-destructive testing. Magnetic particle testing. Part 1: General Principles.</p> <p>Non-destructive testing. Magnetic particle testing. Part 1: General Principles.</p>		
Method for ultrasonic examination of welds Part 1: Methods for manual examination of fusion welds in ferritic steels	BS 3923-1:1986 (Superseded, Withdrawn)	<p>BS EN 1714:1998 (Superseded, Withdrawn) Replaced by</p> <p>BS EN ISO 17640:2010 (Current)</p>	<p>Non-destructive testing of welded joints – Ultrasonic testing of welded joints</p> <p>Non-destructive testing of welds. Ultrasonic testing. Techniques, testing levels, and assessment</p>		Low priority

<p>Radiographic examination of fusion welded butt joints in steel.</p> <p>Part 1: Methods for steel 2 mm up to and including 50 mm thick</p> <p>Part 2: Methods for steel over 50 mm up to and including 200 mm thick</p>	<p>BS 2600-1 & 2:1983 (Superseded, Withdrawn)</p>	<p>BS EN 1435:1997 (Superseded, Withdrawn) Replaced by BS EN ISO 17636-1 : 2013 (Current)</p>	<p>Non-destructive examination of welds. Radiographic examination of welded joints.</p> <p>Non-destructive testing of welds. Radiographic testing Part 1 : X and Gamma –ray techniques with film.</p>		<p>Low priority</p>
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Comparison of BS and BS EN for Fastener, Nut and Washer

This table only highlights the comparison of overdue and new standards for Fastener, Nut and Washer, which are relevant to plan approval.

Title of BS	BS	BS EN/other standards	Title of BS EN/other standards		Status
		BS EN ISO 4014: 2001 (Revised, Withdrawn) Replaced by BS EN ISO 4014: 2011 (Current)	Hexagon head bolts. Product grades A and B Hexagon head bolts. Product grades A and B		
		BS EN ISO 4016: 2001 (Revised, Withdrawn) Replaced by BS EN ISO 4016: 2011 (Current)	Hexagon head bolts. Product grade C Hexagon head bolts. Product grade C		
		BS EN ISO 4017: 2001 (Revised, Withdrawn) Replaced by BS EN ISO 4017: 2011 (Revised, Withdrawn) Replaced by BS EN ISO 4017: 2014 (Current)	Hexagon head screws. Product grades A and B Hexagon head screws. Product grades A and B Fasteners - Hexagon head screws. Product grades A and B (ISO 4017 : 2014)		

		BS EN ISO 4018: 2001 (Revised, Withdrawn) Replaced by BS EN ISO 4018: 2011 (Current)	Hexagon head screws. Product grade C Hexagon head screws. Product grade C		
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Comparison of BS and BS EN on Matching Bolt, Nut and Washer & HSFG Bolt

This table only highlights the comparison of BS and BS EN on Matching Bolt, Nut and Washer & HSFG Bolt

Grade	Title of BS	BS	BS EN/other standard	Title of BS EN/Other standards	Status
4.6	Specification for ISO metric black hexagon bolts, screws and nuts. Metric units.	Bolt BS 4190:2001 (Withdrawn) Replaced by BS 4190 : 2014 (Current)	BS EN ISO 4018:2011 (Current) BS EN ISO 4016:2011 (Current)	Hexagon head screws. Product grade C Hexagon head bolts. Product grade C Specification for holding down bolts	Low priority
	Specification for holding down bolts	BS 7419:1991 (Withdrawn) Replaced by BS 7419 : 2012 (Current)			
	Specification for ISO metric black hexagon bolts, screws and nuts. Metric units	Nut BS 4190:2001 (Grade 4) (Withdrawn) Replaced by BS 4190 : 2014 (Current)	BS EN ISO 4034:2001 (Superseded, Withdrawn) Replaced by BS EN ISO 4034 : 2012 (Current)	Hexagon nuts. Product grade C Hexagon regular nuts (style 1). Product grades C	Low priority

	Specification for metal washers for general engineering purposes. Metric series.	Washer BS 4320:1968 (Current)	BS EN ISO 7091:2000 (Current)	Plain washers. Normal series. Product grade C		Low priority
8.8	Specification for ISO metric black hexagon bolts, screws and nuts. Specification for holding down bolts	Bolt BS 4190:2001 (Withdrawn) Replaced by BS 4190 : 2014 (Current) BS 7419:1991 (Withdrawn) Replaced by BS 7419 : 2012 (Current)	BS EN ISO 4017: 2011 (Revised, Withdrawn) Replaced by BS EN ISO 4017: 2014 (Current) BS EN ISO 4014:2011 (Current)	Hexagon head screws. Product grades A and B Fasteners - Hexagon head screws. Product grades A and B(ISO 4017 : 2014) Hexagon head bolts. Product grades A and B		Low priority

	Specification for ISO metric black hexagon bolts, screws and nuts.	Nut BS 4190:2001) (Grade 8) (Withdrawn) Replaced by BS 4190 : 2014 (Current)	BS EN ISO 4032:2001 (Superseded, Withdrawn) Replaced by BS EN ISO 4032 : 2012 (Current)	Hexagon nuts, style 1. Product grades A and B Hexagon regular nuts (style 1). Product grades A and B		Low priority
	Specification for metal washers for general engineering purposes. Metric series.	Washer BS 4320:1968 (Current)	BS EN ISO 7091:2000 (Current)	Plain washers. Normal series. Product grade C		Low priority

10.9	Specification for ISO metric black hexagon bolts, screws and nuts.	Bolt BS 4190:2001 (Withdrawn) Replaced by BS 4190 : 2014 (Current)	BS EN ISO 4017:2011 (Revised, Withdrawn) Replaced by BS EN ISO 4017: 2014 (Current) BS EN ISO 4014:2011 (Current)	Hexagon head screws. Product grades A and B Fasteners - Hexagon head screws. Product grades A and B(ISO 4017 : 2014) Hexagon head bolts. Product grades A and B		Low priority
	Specification for ISO metric black hexagon bolts, screws and nuts.	Nut BS 4190:2001 (Grade 10) (Withdrawn) Replaced by BS 4190 : 2014 (Current)	BS EN ISO 4032:2001 (Superseded, Withdrawn) Replaced by BS EN ISO 4032 : 2012 (Current)	Hexagon nuts, style 1. Product grades A and B Hexagon regular nuts (style 1). Product grades A and B		Low priority

	Specification for metal washers for general engineering purposes. Metric series.	Washer BS 4320:1968 (Current)	BS EN ISO 7091:2000 (Current)	Plain washers. Normal series. Product grade C		Low priority
HSFG Bolt	Specification for high strength friction grip bolts and associated nuts and washers for structural engineering. Part 1: General grade Specification for the use of high strength friction grip bolts in structural steelwork. Metric series. Part 1: General grade	General grade BS 4395-1: 1969 , (Withdrawn) BS 4604-1: 1970 (Withdrawn)	BS EN 14399- Part 1 to 6 :2005 (Withdrawn) Replaced by BS EN 14399 - Part 1 to 6 : 2015 (Current)	High-strength structural bolting assemblies for preloading. Part 1: General requirements Part 2: Suitability test for preloading Part 3: System HR. Hexagon bolt and nut assemblies Part 4: System HV. Hexagon bolt and nut assemblies Part 5: Plain washers Part 6: Plain chamfered washers		Low priority
HSFG Bolt	Specification for high strength friction grip bolts and associated nuts	Higher grade BS 4395-2: 1969 (Withdrawn)	BS EN 14399- Part 1 to 6 :2005 (Withdrawn) Replaced by	High-strength structural bolting assemblies for preloading. Part 1: General requirements		Low priority

	<p>and washers for structural engineering. Part 2: Higher grade bolts and nuts and general grade washers</p> <p>Specification for the use of high strength friction grip bolts in structural steelwork. Metric series. Part 2: Higher grade (parallel shank)</p>	<p>BS 4604-2: 1970 (Withdrawn)</p>	<p>BS EN 14399 - Part 1 to 6 : 2015 (Current)</p>	<p>Part 2: Suitability test for preloading</p> <p>Part 3: System HR. Hexagon bolt and nut assemblies</p> <p>Part 4: System HV. Hexagon bolt and nut assemblies</p> <p>Part 5: Plain washers</p> <p>Part 6: Plain chamfered washers</p>		
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