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Current Guides & Standards

Detailed on the following pages are some of the current Guides & Standards that are considered and adhered to, where necessary during the course of a project.

It should be noted that this list is neither definitive or restrictive as other Standards can be worked to also.

Standard No:	Description:	Details:
ASME B31.3	Process Piping.	
ASTM A 370-06	Standard Practice for Cleaning, Descaling & Passivation of Stainless Steel Parts, Equipment, & Systems.	
ASTM A 967-06	Standard Specification for Chemical Passivation Treatments for Stainless Steel Parts.	
07/23/EC	Pressure Equipment Directive.	
BSEN 13445-1	Unfired Pressure Vessels.	Part 1: General
BSEN 13445-2	Unfired Pressure Vessels.	Part 2: Materials
BSEN 13445-3	Unfired Pressure Vessels.	Part 3: Design
BSEN 13445-4	Unfired Pressure Vessels.	Part 4: Fabrication
BSEN 13445-5	Unfired Pressure Vessels.	Part 5: Inspection & Testing
BSEN 13445-6	Unfired Pressure Vessels.	Part 6: Requirements for the Design & Fabrication of Pressure Vessels & Parts Constructed from Spheroidal Graphite Cast iron
BSEN 13445-8	Unfired Pressure Vessels.	Part 8: Additional Requirements for Pressure Vessels of Aluminium & Aluminium Alloys
BSEN 15614-1:2004 +A2:2012	Specification & Qualification of Welding Procedures for Metallic Materials – Welding Procedure Test.	Part 1: Arc & Gas Welding of Steels & Arc welding of Nickel & Nickel Alloys
BSEN 287-1:2011	Qualification Test of Welders – Fusion Welding.	Part 1: Steels

Standard No:	Description:	Details:
BSEN 13480-1:2002+A2:2008	Metallic Industrial Piping.	Part 1: General
BSEN 13480-2:2002	Metallic Industrial Piping.	Part 2: Materials
BSEN 13480-3:2002+A4:2010	Metallic Industrial Piping.	Part 3: Design & Calculation
BSEN 13480-4:2002	Metallic Industrial Piping.	Part 4: Fabrication & Installation
BSEN 13480-5:2002	Metallic Industrial Piping.	Part 5: Inspection & Testing
BSEN 13480-6:2004	Metallic Industrial Piping.	Part 6: Additional Requirements for Buried Piping
BSEN 13480-7:2002	Metallic Industrial Piping.	Part 7: Guidance on the Use of Conformity Assessment Procedures
BSEN 13480-8:2007	Metallic Industrial Piping.	Part 8: Additional Requirements for Aluminium & Aluminium Alloy Piping
BS 1600:1991	Specifications for the Dimensions of Steel Pipe for the Petrochemical Industry.	
BS 1600:1997	Welding Consumables – Covered Electrodes for Manual Metal Arc Welding of Stainless & Heat Resisting Steels – Classification	
BS 5395-1:2000	Stairs, Ladders & Walkways	Part 1: Code of Practice for the Design, Construction & Maintenance of Straight Stairs & Winders
BS 5395-2:1984	Stairs, Ladders & Walkways	Part 2: Code of Practice for the Design of Helical & Spiral Stairs
BS 5395-3:1985	Stairs, Ladders & Walkways	Part 3: Code of Practice for the Design of Industrial Type Stairs, Permanent Ladders & Walkways
BS 5958-1:1991	Code of Practice for Control of Undesirable Static Electricity	Part 1: General Requirements
BS 5958-2:1991	Code of Practice for Control of Undesirable Static Electricity	Part 2: Recommendations for Particular Industrial Situations

Standard No:	Description:	Details:
BS 5970:2001	Code of Practice for Thermal Insulation of Pipework & Equipment in the Temperature Range –100°C to + 870°C	
BSEN 294:1992	Safety of Machinery	Safety Distances to Prevent Danger Zones being Reached by the Upper Limbs
BSEN 349:1993	Safety of Machinery	Minimum Gaps to Avoid Crushing of Parts of the Human Body
BSEN 563:1994	Safety of Machinery – Temperatures of Touchable Surfaces	Ergonomics Data to Establish Temperature Limit Values for Hot Surfaces
BSEN 953:1998	Safety of Machinery - Guards	General Requirements for the Design & Construction of Fixed & Movable Guards
BSEN 1037:1996	Safety of Machinery	Prevention of Unexpected Start-Up
BSEN 1050:1997	Safety of Machinery	Principles of Risk Assessment
BSEN 1088:1996	Safety of Machinery - Interlocking Devices Associated with Guards	Principles for Design & Selection
BSEN 60204-1:2006+A1:2009	Safety of Machinery – Electrical Equipment of Machines	Part 1: General Requirements
BSEN ISO 12001-1:2003	Safety of Machinery – Basic Concepts, General Principles for Design	Part 1: Basic Terminology, Methodology

Standard No:	Description:	Details:
BSEN ISO 12001-2:2003	Safety of Machinery – Basic Concepts, General Principles for Design	Part 2: Technical Principles
BSEN 14122-1:2001	Safety of Machinery – Permanent Means of Access to Machinery	Part 1: Choice of a Fixed Means of Access between Two Levels
BSEN 14122-2:2001	Safety of Machinery – Permanent Means of Access to Machinery	Part 2: Working Platforms & Walkways
BSEN 14122-3:2001	Safety of Machinery – Permanent Means of Access to Machinery	Part 3: Stairways, Stepladders & Guard-Rails
BSEN 12944-1:1998	Paints & Varnishes – Corrosion Protection of Steel Structures by Protective Paint Systems	General Introduction
BSEN 12944-2:1998	Paints & Varnishes – Corrosion Protection of Steel Structures by Protective Paint Systems	Classification of Environments
BSEN 12944-3:1998	Paints & Varnishes – Corrosion Protection of Steel Structures by Protective Paint Systems	Design Considerations
BSEN 12944-4:1998	Paints & Varnishes – Corrosion Protection of Steel Structures by Protective Paint Systems	Surface Preparation
BSEN 12944-5:1998	Paints & Varnishes – Corrosion Protection of Steel Structures by Protective Paint Systems	Protective Paint Systems

Directives

Directive No:	Description:	Details:
94/9/EC	ATEX Directive	
93/68/EEC	CE Marking Directive	
89/336/EEC	Electromagnetic Compatibility Directive	
2001/95/EC	General Product Safety Directive	
93/23/EEC	Low-Voltage Directive	
2006/42/EC	Machinery Directive	
97/23/EC	Pressure Equipment Directive	

Miscellaneous

Conform to EHEDG (European Hygienic Engineering & Design Group), recommendations.

Members of the British Standards Institute (BSI).

Accredited to ISO 9001.

Members of the CE Marking Association.