

List of products of harmonised standards

Code 20: STRUCTURAL METALLIC PRODUCTS AND ANCILLARIES

Standard	Name	Application	Product-type	Intended use	System of attestation	Mandate
EN 1090-1	Execution of steel structures and aluminium structures - Part 1: Requirements for conformity assessment of structural components	Structural steel and aluminium components as well as for kits	Steel and aluminium structural components	For structural use in all types of construction works	2+	M/120
EN 10025-1	Hot rolled products of structural steels - Part 1: General technical delivery conditions	Flat and long products of hot rolled structural steels excluding structural hollow sections and tubes	Structural metallic sections/profiles hot rolled with various shapes (T, L, H, U, Z, I, channels, angle), flat products (plate, sheet, strip), bars	To be used in metal structures or in composite metal and concrete structures	2+	M/120
EN 10088-4	Stainless steels - Part 4: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for construction purposes	Hot or cold rolled sheet/plate and strip for construction purposes	Structural metallic sections/profiles hot rolled with various shapes (T, L, H, U, Z, I, channels, angle), flat products (plate, sheet, strip), bars	To be used in metal structures or in composite metal and concrete structures	2+	M/120
EN 10088-5	Stainless steels - Part 5: Technical delivery conditions for bars, rods, wire, sections and bright products of corrosion resisting steels for construction purposes	Hot or cold formed bars, rods, wire, sections and bright products for construction purposes	Structural metallic sections/profiles hot rolled with various shapes (T, L, H, U, Z, I, channels, angle), flat products (plate, sheet, strip), bars	To be used in metal structures or in composite metal and concrete structures	2+	M/120
EN 10210-1	Hot finished structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions	Hot finished hollow sections of circular, square, rectangular or elliptical forms and applies to hollow sections formed hot, with or without subsequent heat treatment, or formed cold with subsequent heat treatment	Steel hollow sections	To be used in metal structures or in composite metal and concrete structures	2+	M/120
EN 10219-1	Cold formed welded structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions	Cold formed welded structural hollow sections of circular, square or rectangular forms and applies to structural hollow sections formed cold without subsequent heat treatment	Steel hollow sections	To be used in metal structures or in composite metal and concrete structures	2+	M/120
EN 10340	Steel castings for structural uses	Steel castings for structural uses in buildings, bridges, roads, pipe network	Structural metallic sections and profiles	To be used in metal structures or in composite metal and concrete structures	2+	M/120
EN 10343	Steels for quenching and tempering for construction purposes - Technical delivery conditions	Bars, wide flats, hot-rolled strip and sheet/plate, forgings manufactured from the direct hardening non alloy steels for quenching and tempering and the direct hardening alloy steels for quenching and tempering	Structural metallic sections/profiles hot rolled with various shapes (T, L, H, U, Z, I, channels, angle), flat products (plate, sheet, strip), bars	To be used in metal structures or in composite metal and concrete structures	2+	M/120
EN 13479	Welding consumables - General product standard for filler metals and fluxes for fusion welding of metallic materials	Filler metals and fluxes for fusion welding of metallic materials	Welding consumables	To be used in metal structures or in composite metal and concrete structures	2+	M/120
EN 14399-1	High-strength structural bolting assemblies for preloading - Part 1: General requirements	High-strength structural bolting assemblies for preloading	High-strength structural bolting assemblies for preloading	Structural metallic works	2+	M/120

Standard	Name	Application	Product-type	Intended use	System of attestation	Mandate	
EN 14545	Timber structures — Connectors — Requirements	Connectors for use in load bearing timber structures. Connectors manufactured from steel like shear plates, split ring connectors, tooth plate connectors, punched metal plate fasteners and nailing plates	Connectors	Structural timber products	Shear plates; toothed plate connectors; punched metal plate fasteners; nailing plates	2+	M/112
					Split ring connectors	3	
EN 14592	Timber structures — Dowel-type fasteners — Requirements	Dowel-type fasteners for use in load bearing timber structures. Dowel-type fasteners manufactured from steel like nails, staples, screws, dowels and bolts with nuts	Timber fasteners	Used for structural timber products	3	M/112	
EN 15048-1	Non-preloaded structural bolting assemblies - Part 1: General requirements	Non-preloaded structural bolting assemblies	Non-preloaded structural bolting assemblies	Structural metallic works	2+	M/120	
EN 15088	Aluminium and aluminium alloys - Structural products for construction works - Technical conditions for inspection and delivery	Semi-finished products and castings of aluminium and aluminium alloys for load-bearing structural construction works	Structural metallic sections/profiles hot rolled, cold formed or otherwise produced sections/profiles with various shapes (T, L, H, U, Z, I, channels, angle, hollow, tubes), flat products (plate, sheet, strip), bars, castings, forgings made of aluminium and aluminium alloys, unprotected or protected against corrosion by coating	To be used in metal structures or in composite metal structures in buildings and civil engineering	2+	M/120	