

CLARIFICATION OF SCOPE OF EN 1090-1

Cases where CE-marking according to EN 1090-1 is necessary or not possible

In order to state more precisely the scope of EN 1090-1 the following two comprehensive but not complete lists of examples have been prepared. The lists cover

- a. structural steel and aluminium construction products which are covered by the scope of EN 1090-1 and where CE-marking according to EN 1090-1 is mandatory,
- b. steel and aluminium products which are not covered by the scope of EN 1090-1 and where CE-marking according to EN 1090-1 is not possible.

a. Structural steel and aluminium construction products covered by the scope of EN 1090-1 and where CE-marking according to EN 1090-1 is mandatory

- 1. Balconies
- 2. Balustrades (Edge Protection)
- 3. Base plates not covered by EN 10025-1
- 4. Beams not covered by EN 10025-1
- 5. Beam clamps without ETA
- 6. Bracing
- 7. Canopies, canopy framing
- 8. Catwalks
- 9. Cellular Beams
- 10. Cold-formed purlins and cladding rails
- 11. Cold-formed sheeting for roofing and cladding
- 12. Cold-formed decking for use in composite steel and concrete floors
- 13. Columns
- 14. Crane rail beams, crane stops
- 15. Culverts used as a bridge-like structure to carry traffic
- 16. Curved and bent beams
- 17. Door frames, if part of the structural frame
- 18. Fabricated Pile foundations
- 19. Fire escapes
- 20. Floor-opening frames, if integral part of the load bearing structure of the construction works
- 21. Girders not covered by EN 10025-1
- 22. Grillage beams and girders
- 23. Handrails (Edge Protection)
- 24. Hangers
- 25. Lintels not covered by EN 845-2
- 26. Load bearing fences
- 27. Marquee framing
- 28. Machinery supports, if integral part of the load bearing structure of the construction works
- 29. Mezzanine floors
- 30. Pipeline and pipe supporting structures
- 31. Plate girders (welded or bolted)

32. Playground rides
33. Purlins
34. Racking systems
35. Ramps, if integral part of the load bearing structure of the construction works
36. Roof-opening frames, if integral part of the load bearing structure of the construction works
37. Sag rods
38. Sign and gantry girders
39. Silos
40. Stairs which are not covered by ETAG 008 and relevant ETAs
41. Structural components for bridges (incl. road-, railway- and footbridges, pipe bridges, moving bridges)
42. Structural components for buildings
43. Structural components for grandstands and stadia
44. Structural components for plant and machinery, if integral part of the load bearing structure of the construction works
45. Structural components for masonry structures
46. Structural components for Noise barriers
47. Structural components for timber structures without fasteners
48. Structural components for towers and masts
49. Structural components for wharfs, docks and piers
50. Structural steel components for composite steel and concrete structures
51. Structural frames for buildings, warehouses, schools, hospitals, dwellings, industrial and agricultural sheds
52. Structural frames for shelters
53. Tension rods without ETA
54. Tubular beams and columns
55. Trusses
56. Wall-opening frames, if part of the load bearing structure
57. Walkways, incl. open mesh flooring, if integral part of the load bearing structure of the construction works

b. Structural steel and aluminium products not covered by the scope of EN 1090-1 and where CE-marking according to EN 1090-1 is not possible

1. Aluminium and aluminium alloys – Structural products for construction works according to EN 15088
2. Bearings and steel components used in bearings according to EN 1337
3. Blind rivets
4. Cabinets for cables and power supply installations
5. Cables, ropes and wires
6. Castings
7. Cladding kits according to ETAG 034 and relevant ETAs
8. Cold formed steel tubes according to EN 10219-1
9. Components for suspended ceilings
10. Curtain walling according to EN 13830
11. Doors
12. Expansion joints for road bridges according to ETAG 032 and relevant ETAs
13. External blinds according to EN 13561
14. Fences and railings
15. Flagpoles
16. Forgings

17. Foundation bolts
18. Free-standing steel chimneys according to EN 13084-7
19. Fully supported metal sheet for roofing, cladding and lining according to EN 14783
20. Gates
21. Hangers and brackets for masonry according to EN 845-1
22. Hot finished steel tubes according to EN 10210-1
23. Hot rolled steel flat products and sections according to EN 10025-1
24. Industrial, commercial and garage doors and gates – without fire resistance or smoke control according to EN 13241-1
25. Ladders
26. Lightning columns according to EN 40-5
27. Lintels for masonry according to EN 845-2
28. Masonry anchors according to EN 845-1
29. Metal anchors for use in concrete according to ETAG 001 and relevant ETAs
30. Metal anchors for use in masonry according to ETAG 029 and relevant ETAs
31. Metal chimneys according to EN 1856-1
32. Metal frame building kits according to ETAG 025 and relevant ETAs^{*)}
33. Metal framing components for plasterboard according to EN 14195
34. Metal liners according to EN 1856-2
35. Non-pre-loadable bolts according to EN 15048
36. Ornamentations
37. Pedestrian doorsets, industrial, commercial, garage doors and openable windows - Product standard, performance characteristics - Fire resistance and/or smoke control characteristics according prEN 16034
38. Piles if non-fabricated
39. Pipelines and pipes
40. Powder actuated fasteners (cartridge fired pins) with ETA
41. Prefabricated building units according to ETAG 023 and relevant ETAs^{*)}
42. Prefabricated stair kits according to ETAG 008 and relevant ETAs
43. Prefabricated steel and stainless steel wire rope systems with ETA
44. Prefabricated tension rod systems with ETA
45. Pre-loadable bolts according to EN 14399-1
46. Pressure vessels not incl. the supporting structure
47. Rails or sleepers for railway systems
48. Reinforcing steel for concrete or masonry
49. Road parapets, crash barriers, crash cushions according to EN 1317-5
50. Roof safety products incl. roof ladders and walkways
51. Scaffoldings
52. Sculptures (Metal Art)
53. Self-drilling and self-tapping screws
54. Self-supporting insulating panels (sandwich panels) according to EN 14509
55. Self-supporting metal sheets for roofing, cladding and lining according to EN 14782 used in structural class III as defined in EN 1993-1-3 and EN 1999-1-4.
56. Sheet piling according to prEN 10248-1 and prEN 10249-1
57. Shutters according to EN 13659
58. Site based activities
59. Stainless steel strip according to EN 10088-4
60. Stainless steel bars, rods, wire, sections according to EN 10088-5
61. Steel and aluminium components covered by the Machinery Directive
62. Steel casting for structural use according to EN 10340
63. Steels for quenching and tempering for construction purposes according to EN 10343

- 64. Steel lintels according to EN 845-2
- 65. Stairs as part of machinery according to EN ISO 14122-3
- 66. Structural components for cranes
- 67. Structural components for offshore structures
- 68. Structural components for wind turbine towers
- 69. Tanks - Workshop fabricated steel tanks according to EN 12285-2
- 70. Traditional craft type and non-structural components (e. g. blacksmith making weather cocks, letter boxes, bicycle racks, fences)
- 71. Traffic sign supports according to EN 12899-1

*) In cases where the structural metal frame or components are already CE-marked according to EN 1090-1 the relevant additional assessment according to ETAG 023 or ETAG 025 is mandatory.