Sheet Metal Standards Quick Reference

SheetMetal · Engineering reference · Checked 2026-11-04

Typical engineering values — confirm against the applicable standard and your machine before quoting.

The 20 standards cited on this site, with number, name, status, published and effective dates and applies-to scope, checked 2026-11-04.

Standards at a glance

This is an index, not a copy of any standard. Dates and statuses come from the site standards register. An entry marked Current was in force on the check date. Upcoming means published but effective later; the previous edition stays current until that date. "In force" in Effective means the standard was current on the check date and no separate date was part of the checked facts.

Number	Name	Status	Published	Effective	Applies to
GB 17120-2025	Press machinery - Safety technical specification	Current	2025-10-05	2026-05-01	metal forming machinery, press brakes, shearing machines, plate rolling machines
GB/T 33644-2025	CNC press brakes - Accuracy	Current	2025-10-31	2026-05-01	CNC press brakes
GB/T 14404-2024	Shearing machines - Accuracy	Current	2024-11-28	2025-06-01	shearing machines
GB/T 18490.1-2017	Safety of machinery - Laser processing machines - Part 1: General safety requirements	Current	2017-12-29	2018-07-01	laser processing machines
ISO 9013:2017+A1:2024	Thermal cutting - Classification of thermal cuts - Geometrical product specification and quality tolerances	Current	Not stated	In force	thermal cutting, laser cutting, plasma cutting, oxyfuel cutting
GB/T 34376-2017	CNC press brakes - Technical conditions	Current	Not stated	In force	CNC press brakes
GB/T 28762-2012	CNC shearing machines	Current	Not stated	In force	CNC shearing machines
GB/T 30463-2025	CNC plate rolling machines	Current	2025-10-31	2026-05-01	CNC plate rolling machines
GB/T 34382-2017	CNC turret punch presses	Current	Not stated	In force	CNC turret punch presses up to 800 kN nominal force

GB/T 34380-2017	CNC laser cutting machines	Current	Not stated	In force	CNC laser cutting machines
GB/T 7247.1-2024	Safety of laser products - Part 1: Equipment classification and requirements	Current	2024-09-29	2025-04-01	laser products and laser processing equipment
GB/T 5226.1-2019	Electrical safety of machinery - Electrical equipment of machines - Part 1	Current	Not stated	In force	electrical equipment of machines
GB/T 15706-2012	Safety of machinery - General principles for design - Risk assessment and risk reduction	Current	Not stated	In force	machinery design
GB/T 14349-2026	Plate bending machines - Accuracy	Upcoming	2026-07-30	2027-02-01	plate bending machines
GB/T 14349-2011	Plate bending machines - Accuracy	Current	2011-06-16	2012-01-01	plate bending machines
EN 12622:2009+A1:2013	Machine tools safety - Hydraulic press brakes	Current	Not stated	In force	hydraulic press brakes, EU export
EN 13985:2003+A1:2009	Machine tools safety - Guillotine shears	Current	Not stated	In force	guillotine shears, EU export
EN ISO 11553-1:2020	Safety of machinery - Laser processing machines - Part 1: General safety requirements	Current	Not stated	In force	laser processing machines, EU export
EN ISO 12100:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction	Current	Not stated	In force	machinery design, risk assessment, EU export
EN 60204-1:2018	Safety of machinery - Electrical equipment of machines - Part 1: General requirements	Current	Not stated	In force	electrical equipment of machines, EU export

Accessing the full standard

Check requirements, test methods and acceptance limits in the official full text. Catalogue entries and previews may be incomplete. For authorised purchase links, visit our standards page.

Number	Text access	Action	Checked
GB 17120-2025	Official open full text	See full text	2026-11-04
GB/T 33644-2025	Official open full text	See full text	2026-11-04
GB/T 14404-2024	Official open full text	See full text	2026-11-04
GB/T 18490.1-2017	No open full text because of copyright	See full text	2026-11-04
ISO 9013:2017+A1:2024	No open full text because of copyright; Authorised purchase available	See full text	2026-11-04
GB/T 34376-2017	Official open full text	See full text	2026-11-04
GB/T 28762-2012	Official open full text	See full text	2026-11-04
GB/T 30463-2025	Official online/download access; manual CAPTCHA may apply	See full text	2026-11-04
GB/T 34382-2017	Official online/download access; manual CAPTCHA may apply	See full text	2026-11-04
GB/T 34380-2017	Official open full text	See full text	2026-11-04
GB/T 7247.1-2024	No open full text because of copyright	See full text	2026-11-04
GB/T 5226.1-2019	No open full text because of copyright	See full text	2026-11-04
GB/T 15706-2012	No open full text because of copyright	See full text	2026-11-04
GB/T 14349-2026	Official open full text	See full text	2026-11-04
GB/T 14349-2011	Official open full text	See full text	2026-11-04
EN 12622:2009+A1:2013	No open full text because of copyright; Authorised purchase available	See full text	2026-11-04
EN 13985:2003+A1:2009	No open full text because of copyright; Authorised purchase available	See full text	2026-11-04
EN ISO 11553-1:2020	No open full text because of copyright; Authorised purchase available	See full text	2026-11-04
EN ISO 12100:2010	No open full text because of copyright; Authorised purchase available	See full text	2026-11-04
EN 60204-1:2018	No open full text because of copyright; Authorised purchase available	See full text	2026-11-04

Five EN citations in the current MD harmonised-standards list

These are list legal-effect dates, not universal expiry dates for every contract or technical use. The list is neither the standard text nor a CE certificate.

Number	List start	List end	Amendment cited
EN 12622:2009+A1:2013	2014-04-11	2027-01-20	EN 12622:2009/A1:2013
EN 13985:2003+A1:2009	2009-12-29	2027-01-20	EN 13985:2003/A1:2009
EN ISO 11553-1:2020	2021-10-15	2027-01-20	EN ISO 11553-1:2020/A11:2020
EN ISO 12100:2010	2011-04-08	2027-01-20	None cited in this entry
EN 60204-1:2018	2020-04-02	2027-01-20	None cited in this entry

EN ISO 11553-1:2020 is cited with A11:2020. EN 60204-1 remains the 2018 baseline in the current list; A1:2025 exists but is not included in that entry.

Three common citation traps

1. Citing a replaced edition as current. From 2026-05-01, GB 17120-2025 replaces GB 28243-2012, GB 28240-2012, GB 30458-2013; quoting an old number as the current edition is out of date.
2. Treating an upcoming standard as already in force. GB/T 14349-2026 is published (2026-07-30) but effective from 2027-02-01; until that date the previous edition remains current.
3. Using a safety standard as an accuracy or technical-condition basis. GB 17120-2025 is a safety specification; it is not an acceptance basis for geometric accuracy, which is the job of a machine-specific standard such as GB/T 33644-2025.

How to cite safely

- Cite the full number with its year, including any amendment that forms part of the cited edition.
- Read the status before an acceptance test. An upcoming standard is published but not yet effective.
- Keep the machine-specific standard next to the safety standard. Safety compliance does not replace an accuracy or technical-condition acceptance.
- Check the official text before quoting a clause. This sheet lists identity, status and scope; it does not reproduce requirements.

Status and dates checked 2026-11-04. Standard status is re-verified quarterly.