

Drawing release checklist

Make the model, drawing and purchase requirements tell the same story.

DESIGN INTENT Matching revisions are a check, not release approval.

01 Conflict: stop and resolve

ILLUSTRATIVE DOCUMENT CHECK / NOT A RELEASE

DRAWING

TP-001

REV C

Example identity

MODEL

TP-001

REV B

Example identity

REVISION CONFLICT

Resolve with the document authority

Do not infer which geometry governs.

Example part TP-001 / drawing C / model B

02 Aligned: continue the review

ILLUSTRATIVE DOCUMENT CHECK / NOT A RELEASE

DRAWING

TP-001

REV C

Example identity

MODEL

TP-001

REV C

Example identity

REVISIONS ALIGN

Continue requirements review

Not design or manufacturing approval.

Example part TP-001 / drawing C / model C

WORKED EXAMPLE / DOCUMENT CONTROL
Release gate: identity + revision + requirements + authority
Matching letters alone do not resolve conflicting geometry.

03 Identity, units & precedence

2D

Governs?

3D

State part number, units, revision and what governs if the drawing and model conflict. Different revision codes may be intentional.

Resolve the controlled document relationship.

04 Material & process definition

GRADE
STATE
TRACE

Specify grade, condition, approved alternatives and special processes. Include masking, cleanliness and packaging where required.

Do not authorize a substitution by omission.

05 Inspection & delivery records

Identify critical features, acceptance condition and required inspection or process certificates in the purchase requirements.

Specify deliverables before production starts.

06 Approved, secure handoff

Resolve deviations with the responsible authority. Arrange secure transfer before sending controlled drawings or models.

Never put controlled technical data in public forms.

WHAT THIS DOES NOT PROVE
Follow the document relationship defined by the customer. Different model and drawing revision codes can be intentional if explicitly controlled.

- BEFORE RELEASE

Protect fit, loads, sealing and required material sections when changing geometry.

☐ Match part number and revision across all files.

☐ State material grade and required condition.

☐ Specify finish, masking and outside-process records.

☐ List approved deviations and who authorized them.

☐ Confirm units, scale and document precedence.

☐ Resolve critical dimensions, threads and datums.

☐ Confirm inspection, cleanliness and packaging needs.

☐ Arrange secure transfer before sharing controlled data.
- Standards reference

[ASME Y14.5: drawing conventions only, not release approval](#)

Illustrative geometry; not to scale. No universal shop limits or structural approval. Drawing and approved process requirements govern.

REV 3 / 2026-09-23 / 1 PAGE

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