

DSS-P.03.02 | Processing / Manufacturing Features

Edge Grind / Polish Pattern (factory)

Fabrication & finishing - reference; generally not "damage"

Diagnosis summary

A factory edge-finish pattern produced by belt/diamond grinding and/or polishing after cutting. It can appear-when viewed from the face-as fine, parallel lineation or a narrow glossy/matte band immediately adjacent to the edge. This is a manufacturing edge feature, not a worked-surface defect on the face. Evaluate under VIS inspection lighting/geometry;

Field identification cues

- Surface-catch class (MSRT):
- On the face adjacent to the edge, record SC-0 (none)-one light, non-marring pass only; do not abrade or repeat. The MSRT supports classification only (not acceptance).
- Visual signature:
- Edge-bound, uniform grind/polish appearance, no transition edge on the face, no chip flanks, no pits/craters. If chip flanks or pits are present on the face, evaluate under M.03/M.04 families by morphology.

Classification, severity and scope

- Processing feature - not surface damage.
- Escalate when:
- Face-side micro-chips/clam-shells present with clear catch/bright flanks → classify under M.03 (edge & corner) at CAT-3/4 by morphology.
- Between-pane / inaccessible cues (fixed parallax in IGU) → CAT-5 (location/condition), refer per project protocol.

Distinguishing criteria

- vs. Abrasion fields on the face (M.02): Abrasion shows directional/web patterning on the face and may produce slight/clear catch; factory edge finish remains edge-bound and SC-0 on the face.
- vs. Fabrication-debris (FD) scratches (M.05): FD marks extend onto the face with linear tracks and may escalate in catch; uniform edge polish does not create face-side tracks.
- vs.

Documentation and inspection

- Photo set (VIS): 12 / 36 / 72 in, normal + oblique; include raking usage; capture at least one frame showing long-run edge uniformity to establish factory origin.
- MSRT result: Record SC-0 on the face; one pass only; non-marring.
- Forms: Pane ID; product family and surface numbering; worked surface Y/N; functional coating present on worked surface?

Safety / repairability boundary: Complete only the non-invasive reveal and inspection steps authorized by the controlling VIS guidance. Classification does not authorize restoration, establish acceptance, or override stop-work, coating, crack, integrity, access, chemical, fall-protection, or project-specific requirements.

Full DSS publication: use the catalog download. Web specification:

<https://a7df714357.nxcli.io/learning-center/resource-center/damage-specification-standards/dss-p-03-02-edge-grind-polish-pattern-factory/>