

DSS-P.03.04 | Processing / Manufacturing Features

Drill/Slot “Exit Lip” (acceptable edge artifact)

Fabrication & finishing - reference; generally not “damage” unless it propagates onto the face

Diagnosis summary

A localized burr/lip at the exit of a drilled hole or machined slot produced during fabrication when the tool breaks through the ply. Typically confined to the edge of the hole/slot or immediately adjacent edge land, not onto the visible face. Considered a factory edge artifact rather than a worked-surface defect when it does not create a face-side transition edge or chip-flank morphology.

Field identification cues

- Surface-catch class (MSRT):
- On the face adjacent to the feature: record SC-0 (none)-one light, non-marring pass per VIS §5.5; do not abrade or repeat. On coated faces, prefer a polymer stylus and default to visual cues if any coating risk exists.
- Visual signature:
- Edge-confined lip at a hole/slot exit with no transition edge on the face; no pits/craters; no bright chip flanks on the face.

Classification, severity and scope

- Processing feature - not surface damage.
- Escalate when:
- Face-side micro-chipping or chip flanks propagate from the exit → classify by morphology under M.03 Edge & Corner or M.06 Drilling/Notching-Related at CAT-3/4 (clear catch; rough flanks; pits/craters).
- Crack initiation (edge-origin or through-thickness) is observed → document under M.07 Cracking & Fracture; CAT-5 if condition is structural/inaccessible for in-place work.
- Between-pane indication (fixed parallax in IGU cavity) → CAT-5 by location/condition; refer per project protocol.

Distinguishing criteria

- Attempting to “blend off” a factory exit lip onto the face can create a worked region with a visible transition edge, which VIS disallows at acceptance.

Documentation and inspection

- Photo set (VIS): 12 / 36 / 72 in, normal + oblique; include raking macros showing the exit perimeter and a context frame confirming the lip is edge-confined (no face).
- MSRT result: Record SC-0 on the face; one pass only, non-marring; on coated faces, prefer polymer stylus.
- Forms: Pane ID; product family + 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-03-04-drill-slot-exit-lip-acceptable-edge-artifact/>