

Universal Raceway Compatibility

Bend-EASE™ Elbow — Metallic & PVC Conduit Systems

The Bend-EASE™ elbow is designed to work as the transition fitting between below-slab horizontal conduit and the Stub-EASE II™ stub-up system. It is compatible with both metallic raceways (EMT and RMC) and non-metallic PVC conduit systems — with no additional grounding burden in either configuration.

SECTION 1 — NEC CODE BASIS

Code Authority: NEC 300.15(F) / NEC 300.17(F)

The Bend-EASE™ elbow qualifies as a transition fitting under the National Electrical Code. It permits use in lieu of a box or conduit body where conductors are not spliced or terminated within the fitting.

- 2023 NEC — Section 300.15(F): A fitting identified for the use shall be permitted in lieu of a box or conduit body where conductors are not spliced or terminated within the fitting.
- 2026 NEC — Section 300.17(F): Same provision, renumbered. The 2026 code removes the accessibility requirement for concealed transition points, making the Bend-EASE™ elbow even more clearly compliant for embedded-in-concrete applications.

SECTION 2 — GROUNDING BY RACEWAY TYPE

Metallic Raceways (EMT / RMC)

When the below-slab conduit run is EMT or RMC, the metallic conduit itself serves as the equipment grounding conductor (EGC). The Bend-EASE™ elbow transitions the run to vertical without interrupting the grounding path. No supplemental grounding wire is required beyond what the metallic raceway already provides.

- Compatible trade sizes: 3/4" and 1"
- No additional grounding measures required
- Metallic conduit serves as EGC per NEC

Non-Metallic Raceways (PVC Sch. 40/80)

When the below-slab conduit run is Schedule 40 or 80 PVC, a separate equipment grounding conductor (EGC) wire is already required inside the conduit by NEC 352.60 — regardless of the Bend-EASE™ elbow. That wire passes through the Bend-EASE™ fitting untouched. The elbow adds zero additional grounding obligation.

- Compatible trade sizes: 3/4" and 1"
- EGC wire required by NEC 352.60 — already in the conduit
- Bend-EASE™ adds no further grounding burden

SECTION 3 — ABOVE-SLAB CONTINUATION

Continuing the Run Above Slab

After concrete placement and extraction of the Stub-EASE II™ cap, the threaded coupling is exposed and ready. The continuation method above slab matches the below-slab raceway type:

Option 1 (Preferred) — SP Products PVC-to-EMT Transition Coupling: Glues directly onto the Bend-EASE™ elbow, permitting transition from PVC below to EMT above. Cat # 75PVC/EMT (3/4") or 100PVC/EMT (1"). Manufactured to meet/exceed UL 651. Compliant with NEC 300.15(F) (2023 NEC) / NEC 300.17(F) (2026 NEC).

Option 2 — Schedule 40 PVC Female Adapter + EMT Connector: A two-piece field solution for transitioning from PVC below to EMT above. Both options are NEC-compliant. No conductors are spliced or terminated inside the Bend-EASE™ fitting in either option.