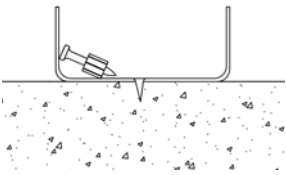


Troubleshooting

CONCRETE

SYMPTOM

FASTENER DOES NOT HOLD IN BASE MATERIAL OR BASE MATERIAL SPALLS



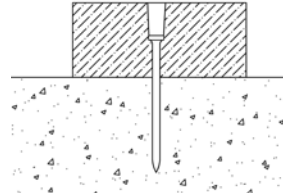
CAUSE

- | High strength concrete
- | Hard or large aggregate in concrete

ACTION

- | Use shorter fastener
- | Use PowerPoint pin
- | Use load with a different power level

FASTENER PENETRATES TOO DEEP



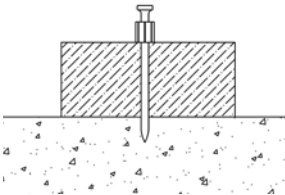
CAUSE

- | Fastener too short for application
- | Tool power level too high

ACTION

- | Use longer fastener
- | Use a lighter powder load

FASTENER DOES NOT PENETRATE DEEP ENOUGH



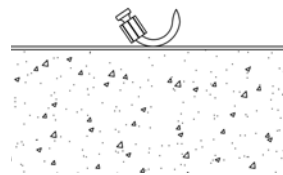
CAUSE

- | Fastener too long
- | Tool power level too low

ACTION

- | Use a shorter fastener
- | Use a stronger powder load

FASTENER BENDS



CAUSE

- | Fastener hit large aggregate on entry
- | Concrete too hard
- | Fastener hit rebar just under the surface

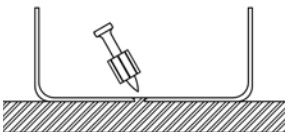
ACTION

- | Use shorter fastener
- | Use PowerPoint pin
- | Make sure tool is perpendicular to the work surface
- | Move over 3 inches, try to fasten again

STEEL

SYMPTOM

FASTENER DOES NOT PENETRATE THE SURFACE



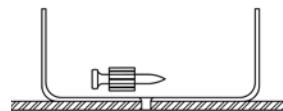
CAUSE

- | Driving power too low
- | Material may be too hard for forced entry fastener

ACTION

- | Increase powder load level
- | Use PowerPoint pin

FASTENER DOES NOT HOLD IN BASE MATERIAL



CAUSE

- | Steel base material is too thin

ACTION

- | Use gas system tools with smaller Shank pin or Tek pin

FASTENER BREAKS OR BENDS



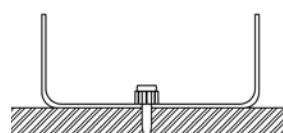
CAUSE

- | Driving power is too low
- | Fastener is too long
- | Material may be too hard for forced entry fastener

ACTION

- | Increase powder load level
- | Reduce fastener length

FASTENER DOES NOT FULLY PENETRATE STEEL



CAUSE

- | Driving power too low
- | Steel base material too thick
- | Application limit may have been reached

ACTION

- | Increase powder load level
- | Use PowerPoint pin