Ø8

25

60

115

10

45

27.50

30

35

70

Task 2 — Designing a Fastener

Design and model a fastener that is appropriate for the `switchplate`. Your fastener may (or may not) look like the one shown at the right.

Design Criteria:

- ❏ The fastener must be longer than the thickness of the switchplate.

- ❏ The `switchplate` is **10mm** thick.

- ❏ The fastener must be **3.5mm** in diameter.

- ❏ The head of the fastener must be larger than the hole in the `switchplate`.

Good Modeling Practice

Fasteners are almost always modeled in a simplified form. That is, although a real machine screw has threads on it, these are not included in the model.