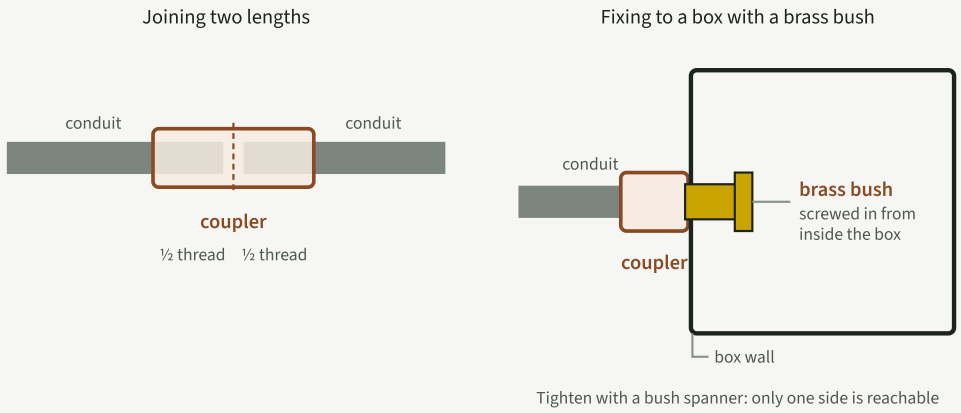
CONDUIT FITTINGS: COUPLERS, BUSHES, BOXES AND SADDLES

WHAT DOES A BRASS BUSH ACTUALLY DO?

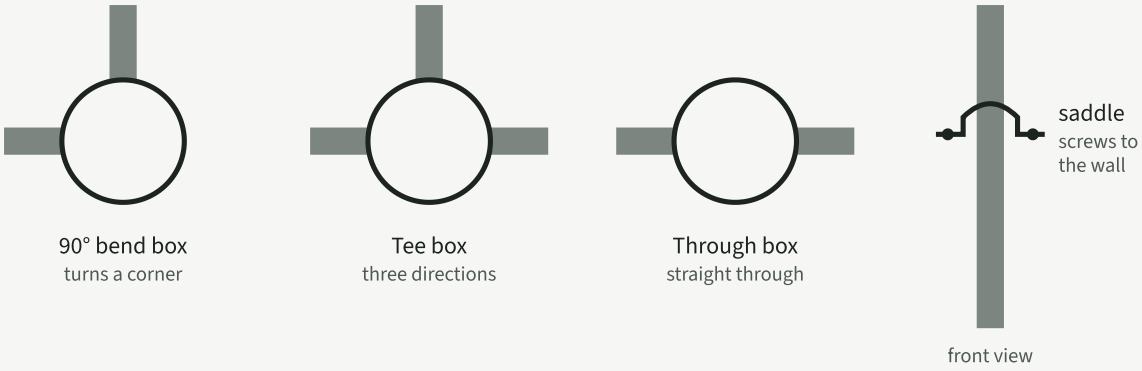
Once your thread matches the factory thread, it screws into any standard fitting. Tighten fittings up with **grips** and they stay put "forevermore".

- **Coupler**: joins two lengths of conduit. Each thread goes **halfway** into the coupler, leaving the other half for the next length.
- **Conduit boxes**: three are shown here, and lots of other bends and boxes exist.
  - a **flat 90° bend box** (turns a corner),
  - a **tee box** (three directions),
  - a **through box** (straight through, for drawing in or a joint).

  You can drill a box's back to fix it to the wall.
- **Brass bush** (ours was 20 mm): screws into a coupler from **inside** a box to fix the conduit to the box. Useful for boxes and enclosures with a plain hole rather than a threaded spout.
- **Bush spanner**: tightening a bush with ordinary grips is awkward because you can only get at **one side**, so you can buy a special spanner for it.
- **Saddles**: fix the conduit run to **walls, ceilings or floors** so the whole system is secure.



Left: a coupler joins two lengths, each thread going in halfway. Right: the box wall is clamped between the coupler outside and the brass bush inside.



The three boxes shown (plan view), and a **saddle** holding the conduit to a wall. Saddles work on walls, ceilings and floors.

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