

G1105 Cork Extraction Fixture Installation Instructions



The G1105 Cork Extraction Fixture is designed to extract a cork stopper out of a bottle for pull force measurements, in conformance with ISO 9727. The fixture accommodates bottles up to 1.5 L, and is compatible with Mark-10 test stands, force gauges, and load cells. The image at left depicts a typical configuration with a Model ESM303 test stand and force gauge.

The fixture is shipped fully assembled. Please follow these installation instructions:

1. Position the force gauge (2) or load cell near the top of the test stand column (1), then install the provided swivel adapter (3) and hook (4).
2. Attach the fixture base (8) to the test stand base via the four provided screws, or via an optional eye end adapter in the center hole.
3. Move the upper bracket (6) to near its highest position by loosening and tightening the black knobs on either side of the bracket.
4. Place the bottle onto the lower bracket (7).
5. Loosen the upper bracket, then lower it until it rests against the shoulder of the bottle.
6. Push the bottle down against the lower bracket until the desired spring resistance is achieved, then tighten the upper bracket.
7. Twist the corkscrew assembly (5) into the cork, lower the crosshead, then engage the hook and shackle.
8. The fixture is now ready for use. Refer to the user's guides for the test stand force gauge or load cell for further testing instructions.
9. To release the bottle, press it down against the lower bracket, then slide it out.