

LECO Evacuated Pin Tubes



LECO evacuated pin tubes feature a thin (1 mm) wall bulb section which melts on contact with molten metal. The molten metal then enters the tube to form a solid, slag-free pin every time.

In operation, the pin tube is held in a simple spring holder. The molten metal is removed from the furnace, killed, and the slag is pushed aside. The pin tube is immediately inserted into the molten metal at an angle of 45 degrees until the thin walled bulb section is completely immersed. This opens the glass and fills the pin tube.

Standard, precision, and high vacuum pin tubes are available, as well as a cutoff device for sectioning 1 gram or 1/2 gram samples from the pins.



511-038 Pin Tube Holder—a convenient tool for safely inserting the pin tube.



585-600 (115 VAC, 60 Hz) and 585-500 (230 VAC, 50 Hz) PC-20 Pin Cutters—section a 1 gram or 1/2 gram sample from LECO pin tubes.

Evacuated Pin Tubes for Rapid Sampling of Molten Metals

Carbon • Sulfur • Oxygen • Nitrogen • Hydrogen

Part No.	Pin Tube Type	Inside Diameter	Length	Qty.
511-036	Standard	4 mm \pm 0.2 mm (0.159" \pm 0.009")	146 mm (5.75")	1000
511-039	Standard	3.5 mm \pm 0.2 mm (0.139" \pm 0.009")	146 mm (5.75")	1000
511-037	Precision	4 mm \pm 0.025 mm (0.159" \pm 0.001")	146 mm (5.75")	1000
511-390	High Vacuum	6 mm (0.236")	125 mm (4.92")	10
511-390-100	High Vacuum	6 mm (0.236")	125 mm (4.92")	100