Zlil Sela proved that, given a non-cyclic torsion-free hyperbolic group G, the groups G and G*Z are elementarily equivalent. In my talk, I will present the following partial generalization of this result: if G is acylindrically hyperbolic, say with no non-trivial normal finite subgroup, then G and G*Z have the same forallexists - theory. It is an open question whether G and G*Z have the same elementary theory. Joint work with Jonathan Fruchter.