

ISSUE #1: Installing Secure & Convenient Bike Racks

Lack of secure bike parking is a major deterrent to commuting by bike and the Portland metro area has one of the highest rates of bike theft in the U.S. Racks should be selected and installed to allow for good visual surveillance and the use of high security locks.

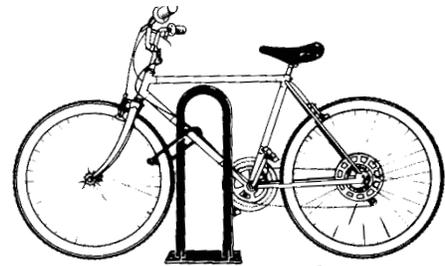
Key Points



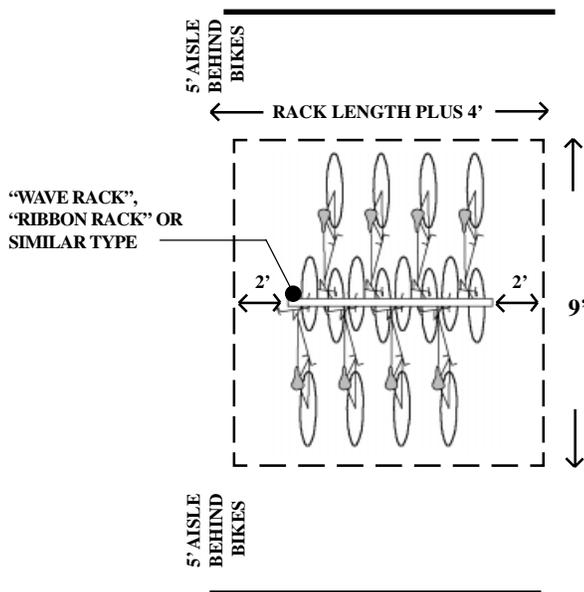
Existing customer parking at Powells Books in downtown Portland is located directly in front of the main entry to the store, insuring constant surveillance.

◀ **Location:** A convenient location near a main building entry will encourage cycling and insures at least some casual surveillance can occur. Cyclists will resist using racks in isolated areas.

Rack types: must allow the bicycle frame and one wheel to be locked to the rack. "Wheelbender" racks that only hold the front wheel are potentially damaging as well as being impossible to use properly with high-security U locks.

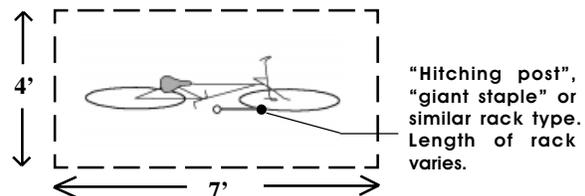


▶ Sunshine U-LOK Corporation's "MINI-LOK" rack is one of many designs which allows one wheel and the frame of the bike to be locked together with a standard high-security U lock.



Plan view of double loaded rack showing minimum clearances for parking normal bikes.

◀ **Installation:** must allow sufficient maneuvering room as well as space for the locked bike itself. Generally, a five foot maneuvering aisle is required on at least one side for cyclists to access racks. Other sides should have sufficient clearance for projecting parts of the bike and pedestrian circulation.



▼ Clearances for parallel-loading racks, one or two bikes per rack, depending on rack type and spacing