

Well designed bicycle parking facilities provide a sheltered easily accessible location for the short term storage of bikes. They help to demonstrate a commitment to promoting active travel and encourage others to cycle for school journeys.



## What should I consider?

### Location

- select an easy to access location for bike riders
- favour a highly visible area with good casual surveillance
- reduce costs;
  - use an existing sheltered area or incorporate a purpose built shelter into a current building
  - use existing sealed surfaces to avoid concrete or paving costs
  - consider using an existing wall as the attachment point for fences and roofing.

### Design

- the design should provide sun and rain protection
- provide sufficient rails for demand and use a layout that maximises available space
- if security is required consider;
  - a fenced area with a lockable gate
  - or locking individual bikes to the rails
  - or securing all bikes with a plastic coated chain and lock
- aim to make the area attractive - consider signage, artwork and landscaping
- where possible include room for scooter parking
- consider short term parking for adults who accompany children on bikes
- use multiple areas if necessary.

### Rails or racks?

The traditional 'toaster rack' style bicycle stands holding only one wheel do not meet required Australian Standards (AS2890.3 [www.standards.com.au](http://www.standards.com.au)) . They can damage the wheels and do not allow the frame and wheels to be locked to the rack. It is recommended that they are replaced progressively as finances allow.

### **Bike rails should;**

- support the entire bicycle and be of a shape that allows the cyclist to lock the front wheel and frame, top bar and back wheel and frame to the rail (if required)
- be manufactured from smooth steel tubing of diameter that a U-lock can easily fit around (usually 50 mm) and be vandal resistant
- be the correct type for the space and layout (student bikes are smaller in size than an adult bikes and can use smaller rails)
- have base plates welded to the bottom of each leg so that they can be bolted to a concrete surface or be long enough that they can be set in concrete fittings.

### **Rail fitting should;**

- allow space for two bicycles (one on each side of the rail)
- allow sufficient space around and between them to easily manoeuvre the bike (min 1.2m)
- be secured to a solid floor or wall surface
- be “dyna” bolted to concrete and bitumen surfaces or concreted into paved surfaces.

Installation costs vary depending on the surface with concrete or bitumen being less expensive than paved surfaces. Consider using galvanized steel which is cheaper than stainless steel and can be painted.

### **How do I go about getting a bicycle parking facility installed?**

Once a location and design are determined;

- seek quotes for supply and installation from a tradesperson e.g.
  - Roofing or fencing contractor
  - General builder
  - Concreting and paving installer
  - Building engineer
- apply for building approval
- seek assistance to manage installation (confirm with facilities management)
- promote the facility to the community and monitor its use.

### **Scooters**

There is a growing trend towards children travelling to school on push scooters. These scooters are typically small wheeled, light and take up little storage space. Similar principles apply to the storage of scooters and related items as do to bicycles. Whilst they are easier to store than bikes they are arguably easier to steal.

An alternative to a lockable area is the provision a scooter specific rack which enables the scooters to be individually secured with a padlock or locked as a group with a cable lock. Scooter racks are readily available from a range of bike storage suppliers (search online for ‘scooter storage’).

### **What permissions/approvals do I need?**

Depending upon land ownership any new development, including a bike shelter, requires development assessment approval from either the local or state government. Local and state government authorities have online guides for small structures. Search on [www.sa.gov.au](http://www.sa.gov.au) or local council website.

### **For further information:**

Call 8343 2088 - Email [dpti.way2go@sa.gov.au](mailto:dpti.way2go@sa.gov.au) – Visit [www.dpti.sa.gov.au/Way2Go](http://www.dpti.sa.gov.au/Way2Go)