

Bedfordshire County Council
Cycle Parking Guidance

Annex 1 Development standards
Annex 2 Parking dimensions and layouts

Annex 1 Development standards

Developers should supply the sum of *both* short and long stay cycle parking, with a minimum requirement of 1 Sheffield stand (or equivalent) to allow for 2 cycles to be parked.

¹Short stay parking is mostly for visitors or customers, i.e. where a cycle will normally be parked for up to around 2 hours. This needs to be sited in the most convenient and accessible location, normally next to the entrance.

²Long stay parking is normally for workers, school children at school or residents i.e. where a cycle will normally be parked for a working day or longer. This should be sited in a convenient location, but security and weather protection are also important.

³Note that 1 Sheffield stand = 2 spaces if it can be used from both sides.

⁴GFA = Gross floor area; PFA = Public Floor Area; RFA = Retail Floor Area; TBA = to be agreed with Highway Authority. Area expressed in m² (square metres)

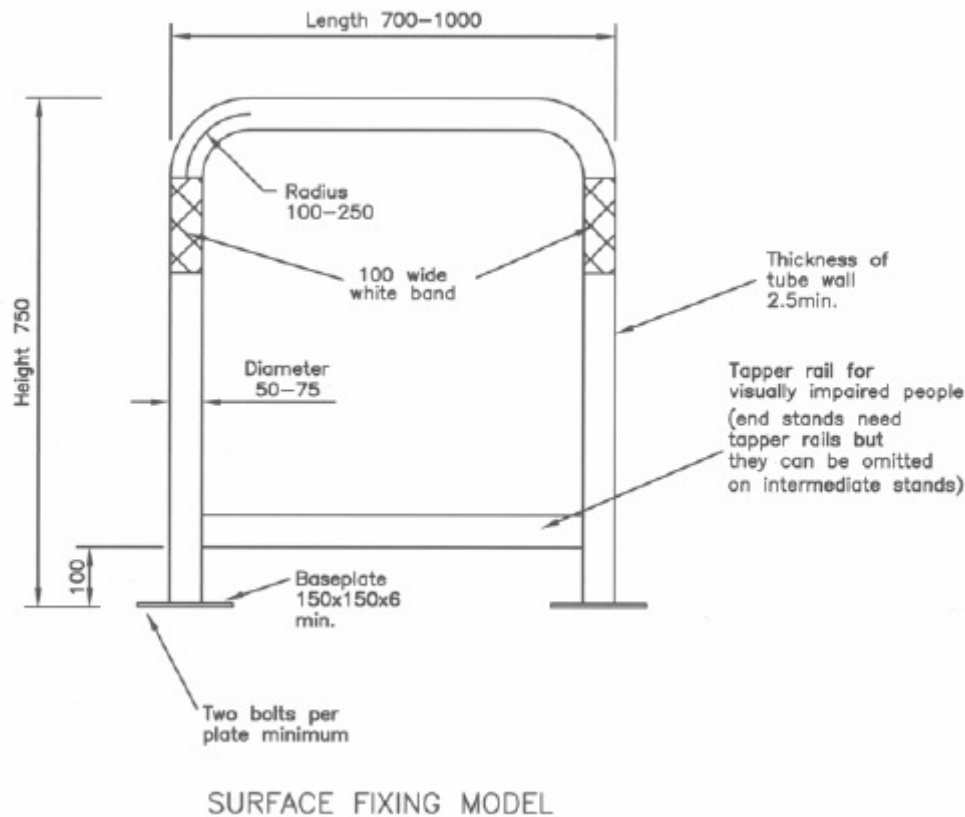
⁵Where ratios are for staff, this will normally be calculated for the full time equivalent or, where there is shift working such as in hotels, hospitals and care homes, for the maximum number of staff using the development at any one time

Use Class	Description	Short Stay ¹ 1 space per ³	Long Stay ² 1 space per ³
A1 Food and non-food	Small shops (<1000m2)	100 GFA ⁴	10 staff ⁵
A1 Retail Foodstores	Supermarkets	250 GFA	10 staff
A1 Non-food retail	Larger non-food retail	200 GFA	10 staff
	Retail warehouses	250 GFA	10 staff
	Garden Centres	100 RFA	10 staff
A2 Financial & Professional	Banks, building societies, estate agents, betting shops	100 GFA	10 staff
A3 Food and Drink	a) Restaurants, cafes	20 PFA	10 staff
	b) Public houses, bars	20 PFA	10 staff
	c) Hot food takeaways	20 PFA	10 staff
	d) Fast food drive-throughs	TBA	10 staff
	e) Roadside restaurants, Transport cafes	TBA	TBA
B1 Business	a) offices	500 GFA	200 GFA
	b) R&D	500 GFA	200 GFA
	c) light industry	500 GFA	200 GFA
B2 General Industry	General industry	500 GFA	200 GFA
B8 Storage	Wholesale distribution, builders' merchants, storage	1000 GFA	500 GFA
C1 Hotels and hostels	a) Hotels	10 bedrooms	10 staff
	b) Guest Houses	10 bedrooms	10 staff
	c) Hostels		5 units
	d) Caravan & campsites	10 pitches	
C2 Residential institutions	a) Residential home with care staff on premises (including elderly peoples homes and nursing homes)	10 beds	10 staff
	b) hospitals, hospices	10 beds	10 staff
	c) Education hall of residence	5 beds	10 staff
C3 Residential	a)i) Houses	2 per unit	1 bedroom
	a)ii) Flats	1 per unit	1 per unit
	b) Houses in multiple occupation	2 per unit	2 bedrooms

Bedfordshire County Council – Cycle Parking Guidance Annexes

Use Class	Description	Short Stay ¹ 1 space per ³	Long Stay ² 1 space per ³
	(i.e. sharing facilities)		
	c) Elderly peoples' accommodation i) retirement dwellings ii) sheltered dwellings (warden control)	20 beds	10 staff
D1 Non-residential	a) Public halls/places of assembly	50 PFA or 20 seats	10 staff
	b) Community/family centres	50 PFA	10 staff
	c) Day centres	50 PFA	10 staff
	d) Places of worship	10 seats	10 staff
	e) Surgeries, clinics, vets	1 consulting room	10 staff
	f) Libraries	30 PFA	10 staff
	g) Cultural buildings – Galleries and museums	100 GFA	10 staff
D1 Non-residential (education)	a) Nurseries, crèches, playgroups	20 children	10 staff
	b) Primary	10 pupils	10 staff
	c) Secondary	5 students	10 staff
	d) University, CFE	5 students	10 staff
D2 Assembly and Leisure	a) Indoor leisure		
	i) Cinema	20 seats	10 staff
	ii) Concert hall, theatres, bingo halls, casinos	20 seats	10 staff
	iii) Conference centres	20 seats or 50 GFA	10 staff
	iv) Night clubs, discos, dance halls	20 seats or 50 GFA	10 staff
	b) Indoor sport activities – multi-purpose sports centres	10 peak visitors	10 staff
	i) Swimming Pools	10 peak visitors	10 staff
	ii) Indoor tennis, squash, badminton	10 max visitors	10 staff
	iii) Ice rinks	10 max visitors	10 staff
	iv) Sports clubs, fitness	10 max visitors	10 staff
	v) Ten pin bowling	10 max visitors	10 staff
	vi) snooker halls	10 max visitors	10 staff
	c) Stadia	TBA	10 staff
	d) Outdoor sports		
	i) Tennis courts	1 court	10 staff
	ii) Sports grounds	10 players or 5 per pitch	10 staff
	iii) Golf	2 holes	10 staff
	iv) Country parks, Gardens, Zoos	TBA	10 staff
TRANSPORT	Garages	TBA	10 staff
	Petrol stations (with shops)	100 GFA shop	10 staff
	Bus stations	50 peak passengers	10 staff
	Railway stations	TBA	10 staff
	Park & Ride	TBA	

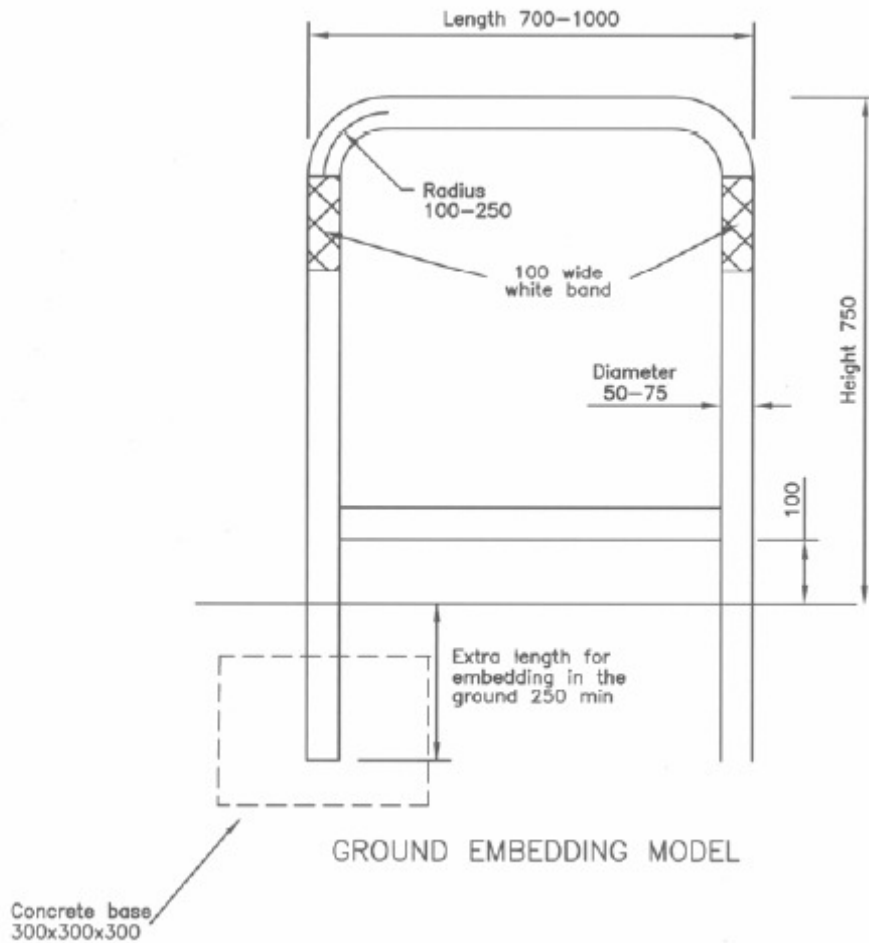
Annex 2 Parking dimensions and layouts



Source: London Cycling Design Standards
Cycle centre for Excellence
Transport for London 2005
Drawing No BCC/CPS 01

Design notes:

1. Extra cross rail may be added for extra security, to support children's bikes or to carry cycle parking symbol (Diagram 968 TSRGD 2002) – may also carry advertising when sited within the highway subject to the approval of the Highway and Planning Authorities. The height and thickness of the rail will be determined by purpose.
2. Where used, contrasting banding may be yellow or white but must be consistent within area
3. Stainless steel stands must have 'brushed' finish for the benefit of the visually impaired.
4. Stands may be joined together to form 'toast racks' for surface mounting or for temporary parking. In both cases 'flat' section connecting bar should be employed for ease of bicycle access and to avoid creating a trip hazard
5. All stands must comply with the manufacturing standards of the *Bike Parking and Security Association* www.bpsa.info



Source: London Cycling Design Standards
Cycle centre for Excellence
Transport for London 2005
Drawing No BCC/CPS 02

Siting notes:

Tactile paving or textured surfacing to warn of the presence of parking within the footway, together with contrasting or reflective bands on stands, should be considered when meeting the needs of the visually impaired. The need should be established through local consultation. Stands should be sited in flat areas or at 90° to any slope to prevent bikes rolling away.

It should also:

- *Not* block visibility for other road users, especially at junctions and crossings
- *Not* prevent servicing of shops or other premises
- *Not* obstruct door opening when adjacent to on-street parking areas provided for motorists
- *Not* be sited in a manner that cyclists bending to lock their bicycle are at risk from passing traffic
- *Not* hinder access to street furniture such as traffic signal controllers, street lighting columns etc.

Layout dimensions for Sheffield stands

Position of Sheffield stands ¹	Preferred (mm) ^{Note 2}	Minimum (mm) ^{Note 2}	Comments ³
Stands <i>parallel to</i> –			Diagram 1
Wall or boundary <i>with</i>			
cycle parking on both sides		900	
cycle parking on one side only		300	
footway in between	2700	1800	Diagram 2
Kerb/carriageway edge	900	600*	*parking on footway side only
Stands <i>at right angles to</i> –			Diagram 3
Wall or boundary	1000	900	Placing the stand too close to the wall will prevent adequate support for the bicycle
with footway in between	3700	2500	Diagram 4
Kerb/carriageway edge		1500	Allows for space for when parking or removing cycle and for non-central parking on stand
Stands <i>at 45° to</i> –			Diagram 6
Wall or boundary		750	May be appropriate where space is limited but affects overall capacity (see below)
with footway in between		2250	
kerb/carriageway edge		1250	
Distance to next stand –			Diagram 7
Parallel (side by side)	1200	1000	Placing stands too close together will make inserting and removing bikes difficult and will reduce capacity instead of increasing it ⁴
Parallel at 45° angle		1500	=1000mm gap at right angles
Stands in line			Multiple stands in line always need an aisle from one side to allow the cycle to be wheeled in and out and for space to park.
Next stand without aisle	2500	2000	
Next stand with aisle	4000	3600	Reducing aisle width will create difficulties wheeling cycles to the stand and manoeuvring space for parking and removing cycles which will deter use.

¹Measurements based on standard sized Sheffield stand of 700-1000mm width

²All measurements are to central point in the middle of the stand (marked “c” on diagrams) either to wall/kerb edge or central point of next stand. Sheffield stands wider 1000mm may require more space.

³Measurements appropriate for average bicycle dimensions of 1800 mm long with handlebars 650mm wide. Cycles typically project 350mm sideways from stand and 500 – 1000 mm lengthways from edge of stand, when parked.

⁴Stands too close together can also result in cycles being parked with just the front wheel attached which will mean that aisle space for wheeling cycles is reduced.

Layout diagrams (not to scale)

Diagram 1: Stands parallel to wall or building line

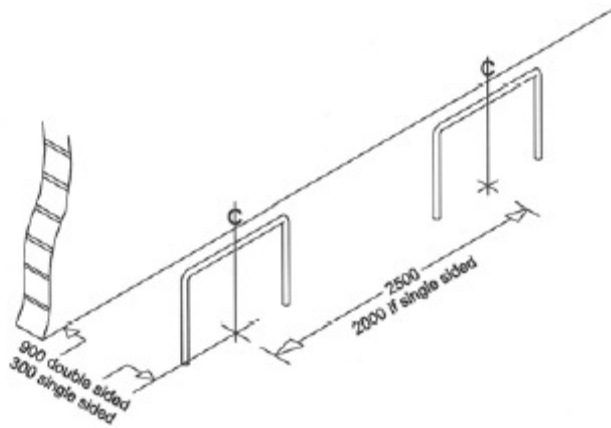


Diagram 2: Stands parallel to kerb

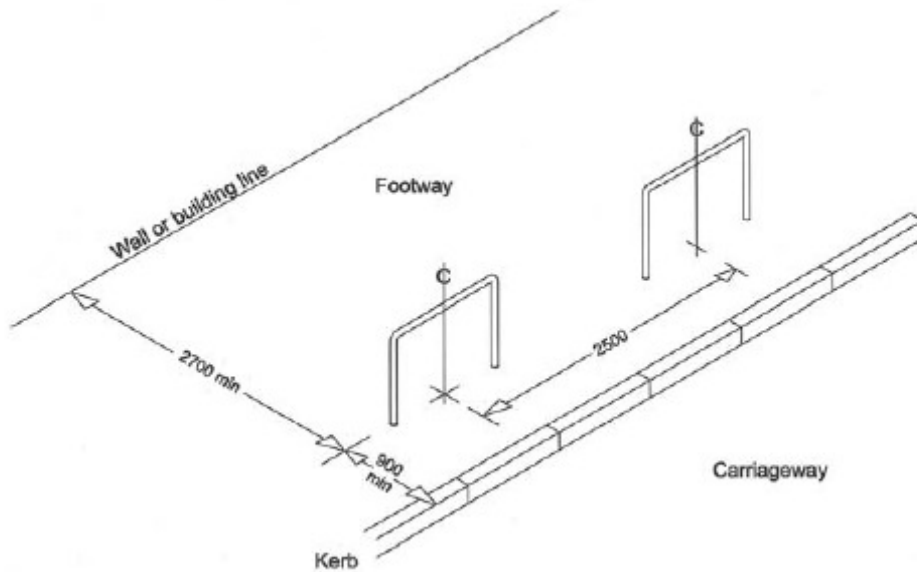


Diagram 3: Stands at 90° to wall or building line

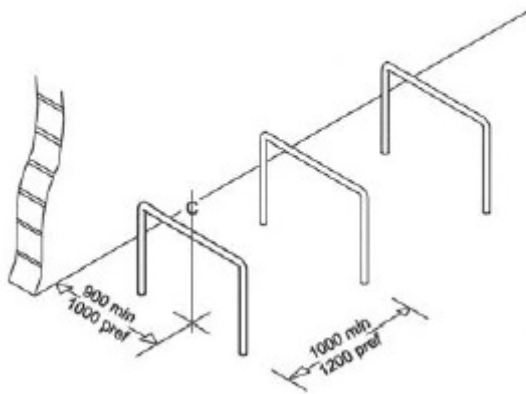


Diagram 4: Sheffield stands at 90° to kerb

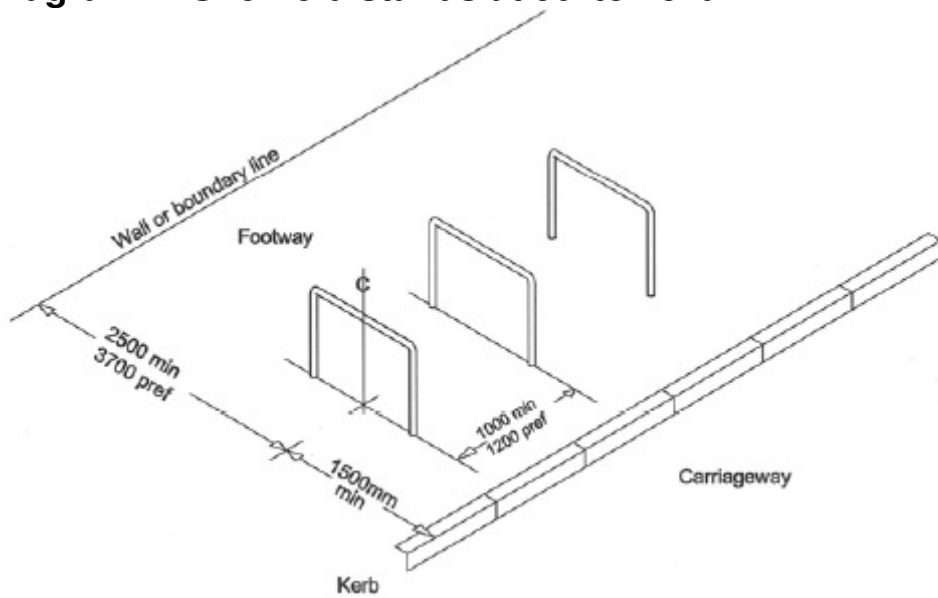


Diagram 5: Tactile/textured paving

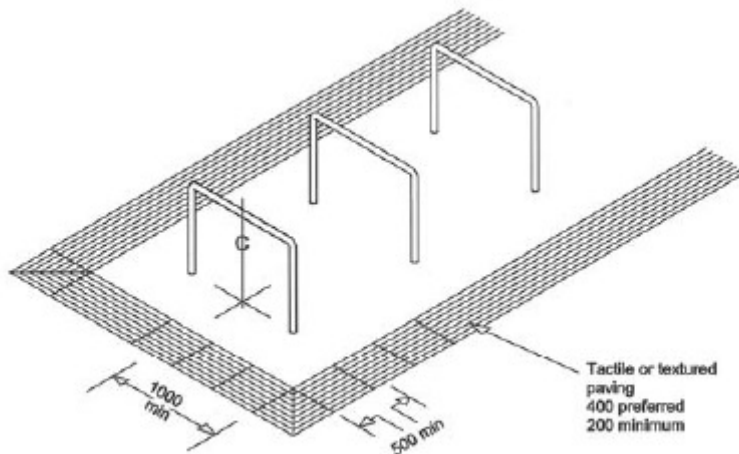


Diagram 6 Stands at 45° to wall or kerb

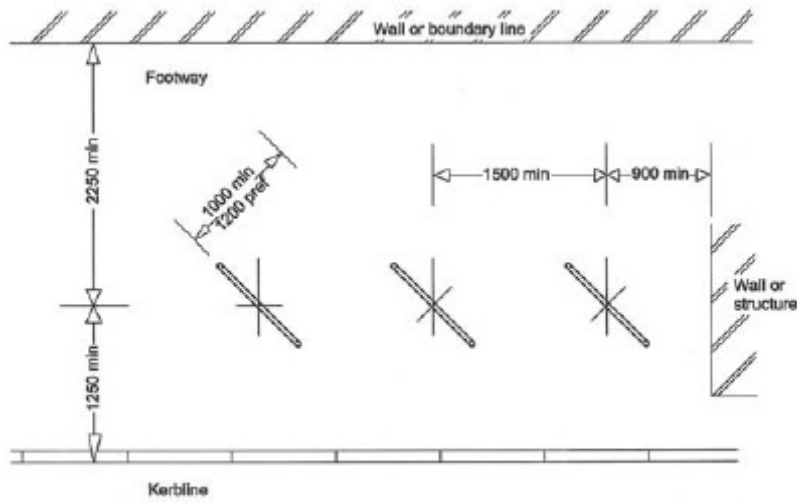


Diagram 7: Aisle width

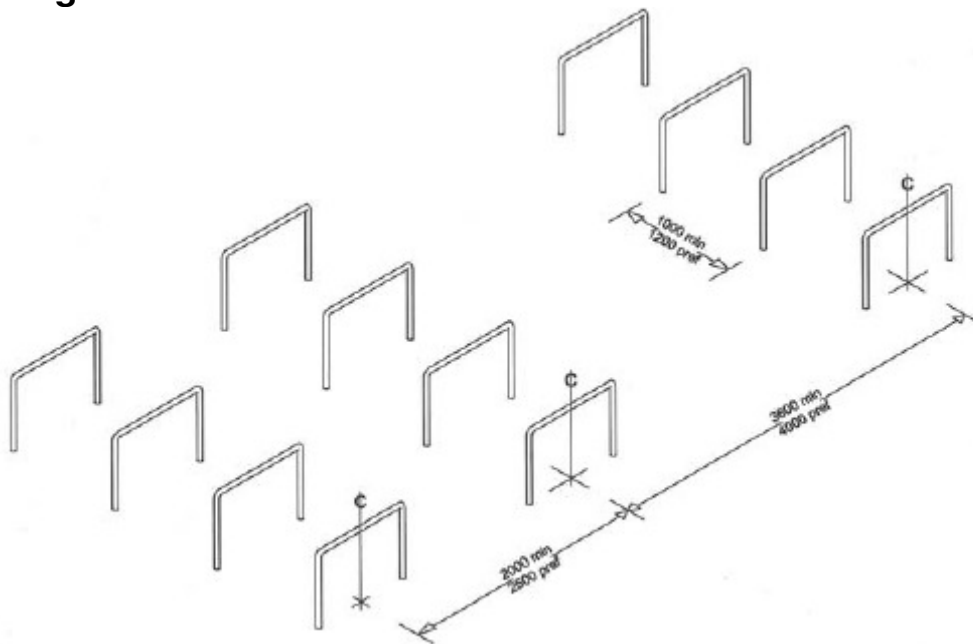


Diagram 8: Stands in carriageway at 90° to kerb

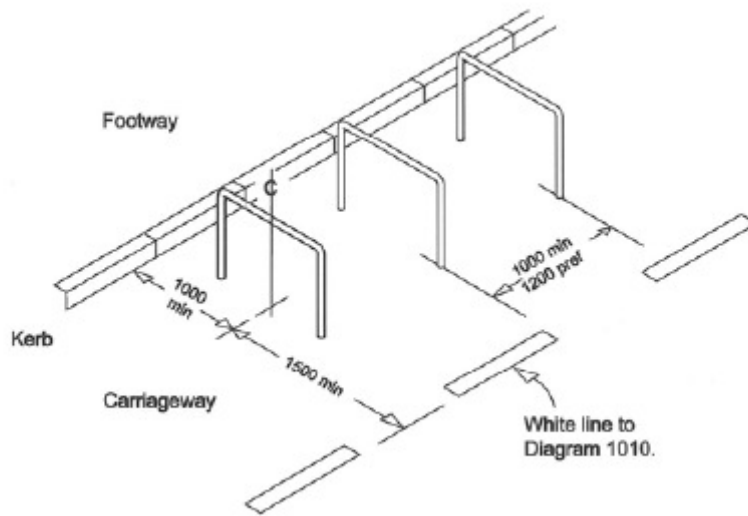
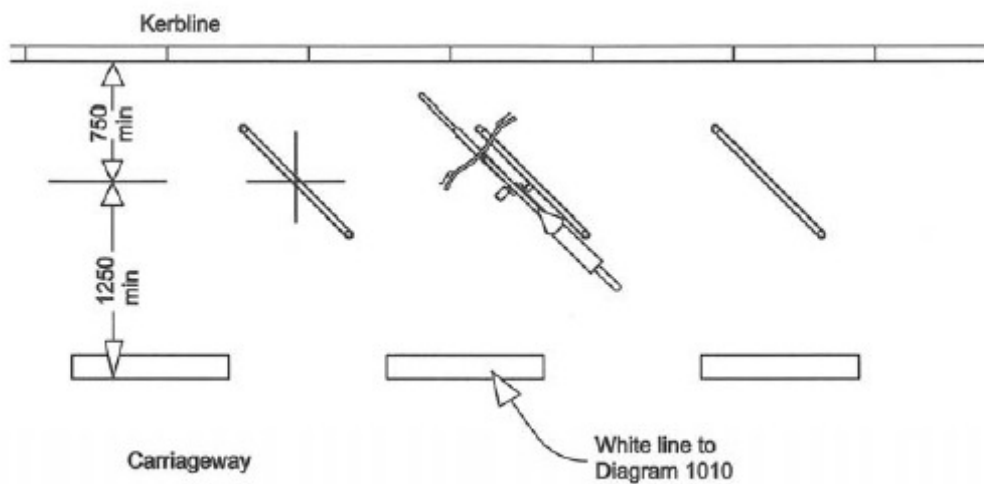


Diagram 9 Stands in carriageway at 45° to kerb



Note: Cycle Parking within the carriageway should be protected by 'build outs or other measures and accompanied by suitable signs (see Traffic Signs Regulations and General Directions diagrams 968 and 968.1).