

Guidance and Requirement to key features for walkways, ramps and step or kerb ramps to satisfy DSAPT (and AS1428.1-2001 & AS1428.2-1992)

Component	Width	Height	Length	Crossfall	Edge treatment options			
					600mm wide verge	Handrail & kerb/ kerb rail	Wall & handrail	45° splayed edges
Walkways flatter than 1:33	Refer to Note 1	n/a	n/a	Recommend 1:40 for shedding of water	✓	✓	✓	✗
Walkways with gradients steeper than 1:33 and up to 1:20	Refer to Note 1	n/a	Varies between landings: 1:33 – max 25 m 1:20 – max 15 m (use linear interpolation for values between)	Level (no crossfall)	✓	✓	✓	✗
Ramps with gradients steeper than 1:20 and up to 1:14	Refer to Note 2	n/a	Varies between landings: 1:14 – max 6 m 1:19 – max 14 m (use linear interpolation for values between)	Level (no crossfall)	✗	✓	✓	✗
Step or kerb ramps (1:8 maximum gradient, but 1:10 preferred)	1200 mm min.	190 mm max.	1520 mm max.	Level (no crossfall)	✗	✓	✓	✓

Notes:

1. The minimum clear width of walkway that forms part of an access path could vary depending on the arrangements and manoeuvres required by a person using a mobility device (e.g. turning or passing spaces). Typically, walkways such as footpaths should be at least 1800 mm wide if it has the permitted edge treatments on both sides of the path or at least 2400 mm wide if it is a footpath with one of the permitted edge treatments on one side and a roadside kerb edge on the other side. There could be other wider or narrower options, but these need to be assessed by an accessibility consultant/subject matter expert. A traffic island cut-through needs to be at least 1220 mm wide if it is less than 6 m long.
2. The minimum clear width (between handrails) of a straight ramp can be 1200 mm or 1500 mm for a curved ramp, but a series of ramps and associated landings greater than 6 m long will need to be at least 1800 mm wide to allow for passing and turning spaces for people using mobility devices.
3. Accessible handrails, kerbs/kerb rails, landings, ground surfaces and general arrangements need to comply with the relevant parts of AS1428.1-2001 and AS1428.2-1992, noting that 2009 or 2021 versions of AS1428.1 can be used if a better accessibility outcome is achieved. Advice from an accessibility consultant/subject matter expert may be required to verify all the relevant requirements.
4. Tactile ground surface indicators (TGSIs) for ramps and kerb/step ramps should be designed as per AS/NZS1428.1-2009.
5. As ramps require handrail extensions and TGSIs, they should be setback at least 900 mm from street boundaries or any transverse path.