



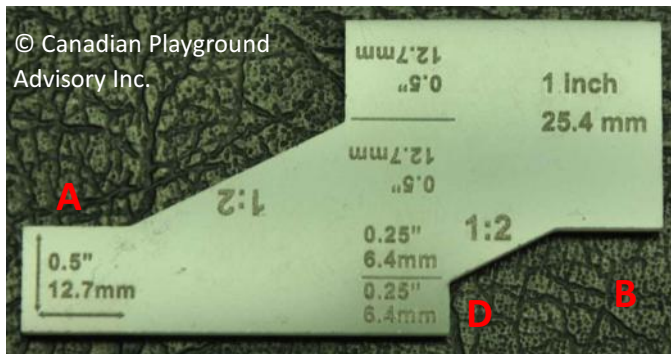
1097 West River Rd.
 Cambridge Ontario, Canada N1R 5S5
 Tel: (416) 410-7506 Fax: (519) 267-3802

VERTICAL CHANGE IN LEVEL GAUGE

Welcome to your personal vertical change in level (VCL) gauge that can be used to measure the compliance for the accessible route in the Built Environment. The VCL has been designed to measure changes in height as required in the US 2010 ADA Standards for Accessible Design for all accessible routes and for playground accessible routes as required in the CSA Z614, Annex H. It can also be used with some modifications for compliance of an accessible route as required in CSA B651.

The components of the device and how it is used for each standard will be explained in detail.

Your package contains the device as a block and the displayed labels that can be attached in the fashion shown.



2010 ADA Standard for Accessible Design

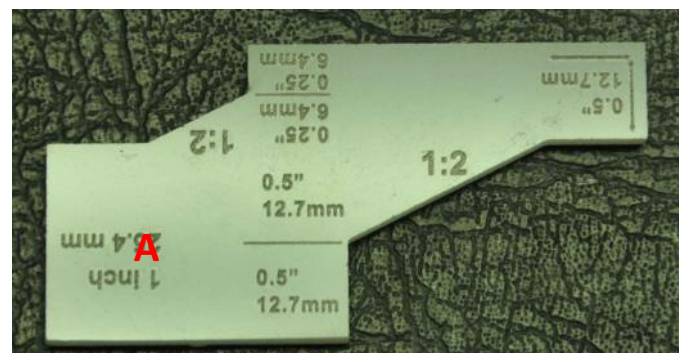
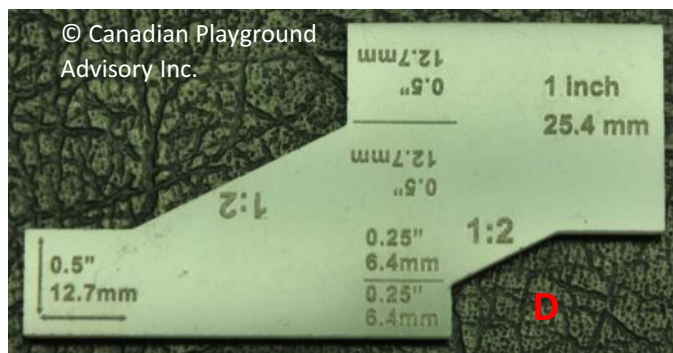
SECTION	REQUIREMENT	PART OF VLC
302.2	Carpet pile height shall not exceed ½ " (13mm)	Push the A portion of the device into a carpet and ensure it does not contact the start of the slope section. The protrusion is exactly 0.5" long.
302.3	Openings shall not allow the passage of sphere more than 0.5" in diameter, however most important is that there shall be no horizontal gaps exceeding ½ " (13mm)	Push the A portion of the device into any gap in the accessible route.
303.1	Changes in Level shall not exceed ½ "	Section B indicating 0.25" over one another is the total of ½ "
303.2	Maximum vertical change in level ¼ "	Place the 0.25" portion B of the VCL gauge against the change in level and flooring must not touch the slope or lift the gauge off the flooring.
303.3	Where there is a change in vertical level greater than ¼ ", the upper change in vertical level shall not exceed ¼ " and shall not exceed a slope of 1:2	Place the 0.25" portion B of the VCL gauge against the change in level and the sloped flooring should not touch end of the sloped section or lift the gauge off the flooring.
1007.2	Mini-Golf accessible route exception—Where accessible routes intersect playing surfaces of holes , a 1 inch (25mm)maximum curb shall be permitted for a width of 32 inches (815mm) minimum.	Place the 1" portion B of the VCL against the curb.



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CSA Z614, Children's Playspaces And Equipment, Annex H

SECTION	REQUIREMENT	PART OF CVL
H.4.7.4	Changes in vertical level shall not be greater than 12.7mm (½ ")	Place the A portion of the VCL gauge against the change in level and flooring must not touch the slope or lift the gauge off the flooring.
H.4.7.4	Changes in vertical level \geq 12.7mm and \leq 25.4mm shall have a beveled slope not steeper than 1:2)	Place the A portion of the VCL gauge against the change in level and the sloped flooring should not touch end of the sloped section or lift the gauge off the flooring.
H.4.7.4	The change in vertical level in the turning and transfer space shall be less than 12.7mm (½ ")	Place the B portion of the VCL gauge against the change in level and flooring must not touch the slope or lift the gauge off the flooring.
H.4.7.5	Elongated openings shall not be greater than 12.7mm (½ ")	Push the C portion of the device into any gap in the accessible route.



CSA B651, Accessible Design For The Built Environment

SECTION	REQUIREMENT	PART OF CVL
3.3.4	Grating shall not have an opening greater than 13mm	Push the A portion of the device into any gap in the accessible route.
3.3.2	Changes in level shall not greater than 13mm	
3.3.2	0-6mm of vertical rise may be vertical	Place the D portion of the VCL gauge against the change in level and flooring must not touch the slope or lift the gauge off the flooring.
3.3.2	7-13mm of vertical rise must be beveled with a slope not steeper than 1:2	Place the D portion of the VCL gauge against the change in level and the sloped flooring should not touch end of the sloped section or lift the gauge off the flooring.
3.3.2	Rise greater than 13mm must have a slope not steeper than 1:12	