

Guide to choosing the right ramp

- Measure the height difference (cm) that the ramp needs to overcome.
- Select the incline angle according to the intended use (see instructions on the next page).
- Find the row for the height difference and the column for your chosen angle in the table.
- The value in the table indicates the required ramp length in metres.

Height difference
(cm)

Ramp Gradient (%), Intended Use (Symbol), and Corresponding Ramp Length (m)

	     5%	     8%	     10%	  15%	  20%
10	2.0	1.3	1.0	0.7	0.5
20	4.0	2.5	2.0	1.3	1.0
30	6.0	3.8	3.0	2.0	1.5
40	8.0	5.0	4.0	2.7	2.0
50	10.0	6.3	5.0	3.3	2.5
60	12.0	7.5	6.0	4.0	3.0
70	14.0	8.8	7.0	4.7	3.5
80	16.0	10.0	8.0	5.3	4.0
90	18.0	11.3	9.0	6.0	4.5
100	20.0	12.5	10.0	6.7	5.0

Ramp Applications and Symbol Meanings



Independent wheelchair use

- Maximum recommended gradient 8%



Assisted wheelchair use

- Maximum recommended gradient 10 %



Rollator use

- Maximum recommended gradient 10 %



Goods Handling
Wheelchair transfer without user

- Maximum recommended gradient 20 %

Example: If the height difference is 30 cm and the ramp will be used independently with a wheelchair (🦽), suitable gradients are 5% and 8%. According to the table, the required ramp length is approximately 6.0 m (5%) or 3.8 m (8%).

▶ Choose the gentlest gradient possible if space allows, as it makes the ramp significantly easier and safer to use.

Our accessibility specialists are always here to help!

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