

Compact aluminium Ramps for small and medium loads

✓ Your advantage

- | Smooth transition from the sill to the ramp
- | Maximum grip with anti-slip hole edge profile
- | Wave shape guarantees smooth movement
- | Durable corrosion-resistant aluminium alloy
- | Light design for small and medium loads
- | Prevents slipping
- | TÜV tested

Safety

- | The maximum permissible ramp incline is 30% = 16.5°
- | The ramps must be secured on the load surface
- | Ramps must be used in pairs
- | The ramps may not be used in a horizontal position
- | Only go up the ramp under the supervision of a second person
- | The ramps may only be used to load and unload braked motor vehicles
- | Avoid driving or braking on the ramp quickly, as this puts an additional load on the ramps
- | Make sure to observe the other safety instructions in the instruction manual



📦 Contents

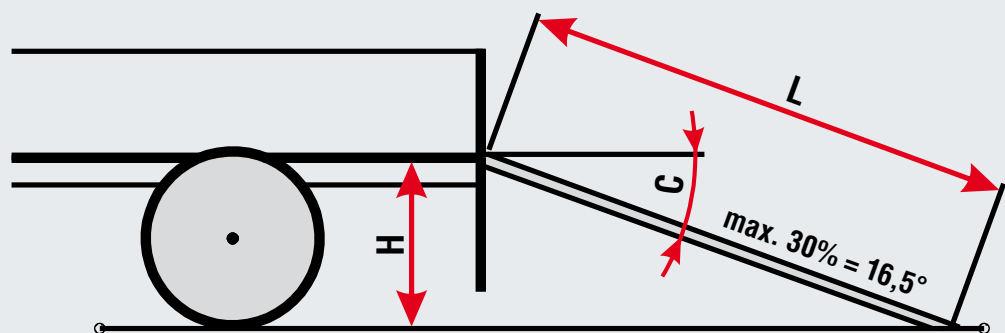
1 locking screw per ramp with end to end thread and nut. The screw prevents slipping in the gap between the wall and the base.



Calculation of ramp length

L = ramp length (mm)
H = Loading height (mm)
C = Gradient (%)

$$L = \frac{H}{C} \times 100$$



Example:

Step 1: measure/calculate

The measured load height H is 400 mm. The max. permissible ramp gradient C of 30% is used.

Formula: $L = \frac{400}{30} \times 100$





Result: 1333 mm = ramp length L min.

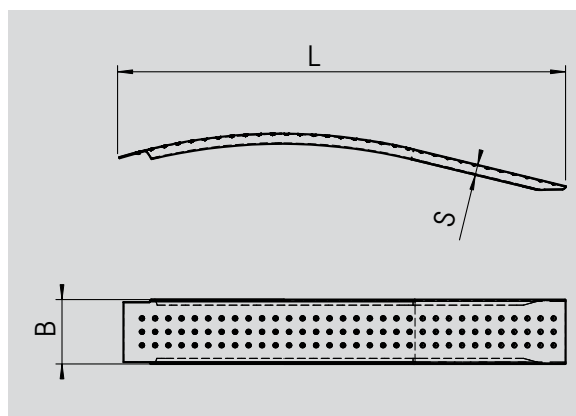
Step 2: Select ramp in the table





According to the table, is the selected ramp designed for a load height of 400 mm (load height min. – max. H mm)? According to the table, is the load capacity sufficient?

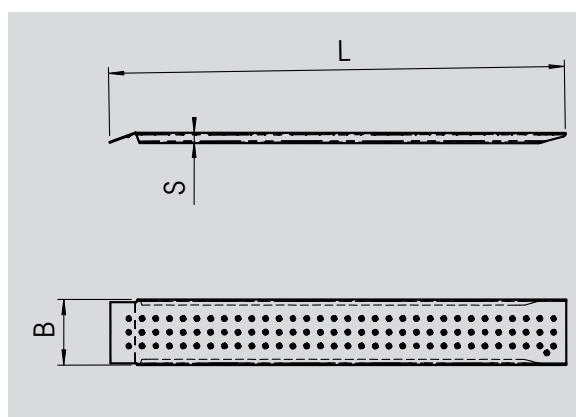
Compact aluminium Ramps

for small and medium loads

Ramps curved										
Part No. per pair	Type	Length	Width	Height	Loading height H mm min. – max	Load capacity per pair for distance between axles				Weight per pair kg
		L mm	B mm	S mm						
130 568	400/1500/215	1500	215	30	200-250	260 kg	330 kg	400 kg	400 kg	6,8
130 586	400/2000/225	2000	225	40	300-380	260 kg	330 kg	400 kg	400 kg	10,2



Ramps straight										
Part No. per pair	Type	Length	Width	Height	Loading height H mm min. – max	Load capacity per pair for distance between axles				Weight per pair kg
		L mm	B mm	S mm						
130 569	400/1500/215	1500	215	35	300-400	260 kg	330 kg	400 kg	400 kg	6,8
130 585	400/2000/225	2000	225	40	400-500	260 kg	330 kg	400 kg	400 kg	10,2
130 590	1000/2000/260	2000	260	85	400-500	650 kg	750 kg	800 kg	1000 kg	19,4
130 570	1000/2500/260	2500	260	70	600-700	650 kg	750 kg	800 kg	1000 kg	26,4



Professional aluminium ramps for heavy loads

✔ Your advantage

- | All ramps are CE and GS tested and certified. Many applications only require the use of a single ramp, not a pair of ramps (e.g. transporting motorcycles). For this reason AL-KO delivers individual ramps and provides you with an excellent cost/quality ratio.
- | Not all aluminium is created equal! AL-KO is committed to a combination of alloys 6005 + 6082: 6005 has outstanding weldability and optimal corrosion protection, while aluminium 6082 provides AL-KO ramps with their excellent durability: this alloy guarantees the greatest durability of all 6000 alloys and is commonly used in bridge construction for this reason.
- | 100% quality control. Every ramp is individually inspected.

You shouldn't settle for anything less. You are justified in expecting **QUALITY FOR LIFE!** from AL-KO.

Safety

- | The maximum permissible ramp incline is 30% = 16.5°.
- | The ramps must be secured on the load surface.
- | Ramps must be used in pairs for multitrack vehicles.
- | The ramps may not be used in a horizontal position.
- | Only go up the ramp under the supervision of a second person.
- | The ramps may only be used to load and unload braked motor vehicles.



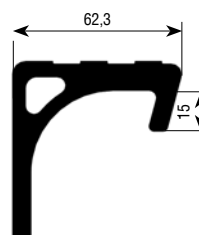
Professional ramps for heavy loads

straight and cranked

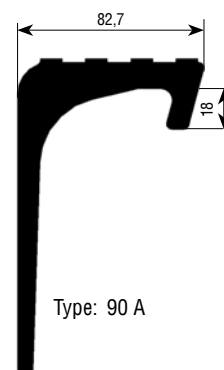
Version A



Supporting profile „A”



Type: 60 A
70 A
80 A



Type: 90 A

Range Overview

Item Part No.	Type	Version	Length L mm	Extern. Width B mm	Height H mm	max. Load height LH mm	Load capacity for distance X between axles			
							1,00 m		1,50 m	
							Unit [kg]	Pair [kg]	Unit [kg]	Pair [kg]
1 224 700	60A20GH450	A	2.000	300	60	450	1.215	2.430	1.215	2.430
1 224 701	60A20GH600	A	2.000	300	60	600	1.215	2.430	1.215	2.430
1 224 702	60A20 H539	B	2.000	300	60	539	1.215	2.430	1.215	2.430
1 224 703	60A25GH450	A	2.500	300	60	450	870	1.740	950	1.900
1 224 704	60A25GH600	A	2.500	300	60	600	870	1.740	950	1.900
1 224 705	60A25 H665	B	2.500	300	60	665	870	1.740	950	1.900
1 224 706	70A20GH450	A	2.000	300	70	450	1.500	3.000	1.500	3.000
1 224 707	70A20GH600	A	2.000	300	70	600	1.500	3.000	1.500	3.000
1 224 708	70A20 H552	B	2.000	300	70	552	1.500	3.000	1.500	3.000
1 224 709	70A25GH450	A	2.500	300	70	450	1.070	2.140	1.165	2.330
1 224 710	70A25GH600	A	2.500	300	70	600	1.070	2.140	1.165	2.330
1 224 711	70A25 H679	B	2.500	300	70	679	1.070	2.140	1.165	2.330
1 224 712	80A20GH450	A	2.000	300	80	450	1.745	3.490	1.745	3.490
1 224 713	80A20GH600	A	2.000	300	80	600	1.745	3.490	1.745	3.490
1 224 714	80A20 H552	B	2.000	300	80	552	1.745	3.490	1.745	3.490
1 224 715	80A25GH450	A	2.500	300	80	450	1.250	2.500	1.355	2.710
1 224 716	80A25GH600	A	2.500	300	80	600	1.250	2.500	1.355	2.710
1 224 717	80A25 H679	B	2.500	300	80	679	1.250	2.500	1.355	2.710
1 224 718	90A20GH450	A	2.000	400	90	450	2.030	4.060	2.030	4.060
1 224 719	90A20GH600	A	2.000	400	90	600	2.030	4.060	2.030	4.060
1 224 720	90A20 H552	B	2.000	400	90	552	2.030	4.060	2.030	4.060
1 224 721	90A25GH450	A	2.500	400	90	450	1.450	2.900	1.580	3.160
1 224 722	90A25GH600	A	2.500	400	90	600	1.450	2.900	1.580	3.160
1 224 723	90A25 H679	B	2.500	400	90	679	1.450	2.900	1.580	3.160

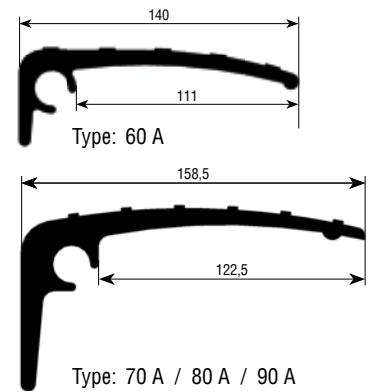
Version B



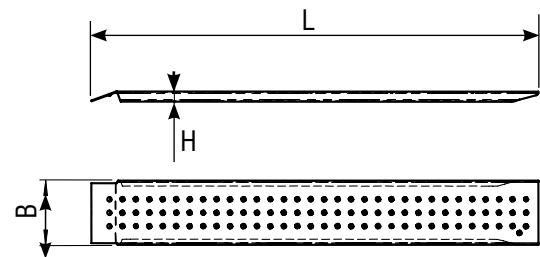
Shipment Version B



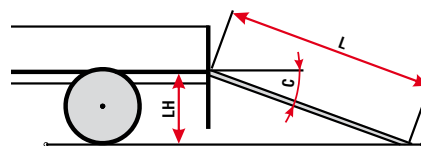
Supporting profile „B”



Load capacity for distance X between axles 2,00 m		Weight of the ramp	
Unit [kg]	Pair [kg]	Unit [kg]	Pair [kg]
1.215	2.430	10,4	20,8
1.215	2.430	10,4	20,8
1.215	2.430	11,0	22,0
950	1.900	12,6	25,2
950	1.900	12,6	25,2
950	1.900	13,0	26,0
1.500	3.000	10,7	21,4
1.500	3.000	10,7	21,4
1.500	3.000	11,6	23,2
1.165	2.330	13,0	26,0
1.165	2.330	13,0	26,0
1.165	2.330	13,9	27,8
1.745	3.490	10,7	21,4
1.745	3.490	10,7	21,4
1.745	3.490	11,6	23,2
1.355	2.710	13,0	26,0
1.355	2.710	13,0	26,0
1.355	2.710	13,9	27,8
2.030	4.060	13,7	27,4
2.030	4.060	13,7	27,4
2.030	4.060	13,7	27,4
1.580	3.160	16,3	32,6
1.580	3.160	16,3	32,6
1.580	3.160	16,4	32,8



Calculation of ramp length



L = ramp length (mm)
LH = load height (mm)
C = gradient (%)

$$L = \frac{LH}{C} \times 100$$

Example:

Step 1: measure / calculate:

The measured load height is 400 mm. The max. permissible ramp gradient C of 30 % is used.

Formula: $L = \frac{400}{30} \times 100$ result: 1333 mm = ramp length L min.

Step 2: Select ramp in the table:

According to the table, is the selected ramp designed for a load height of 400 mm (load height min. – max. H mm)? According to the table, is the load capacity sufficient?

