

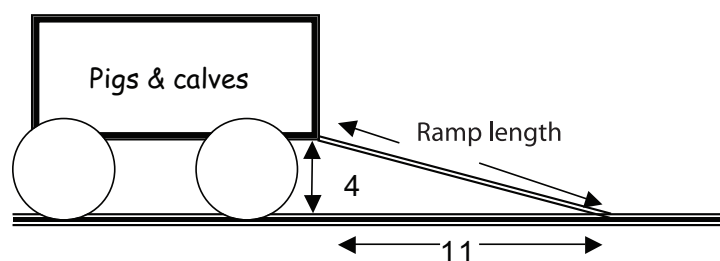
Transport:- Bedding Provision and Space Allowances

Part 1: Loading Ramps (LT.2)

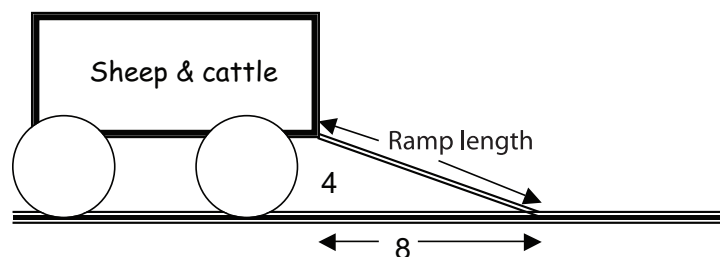
Advice on the Regulations is included in 'Welfare of Animals during Transport' Part 1 Main Guidance.

Ramps must not be steeper than:

Livestock	Angle	Vertical rise
Pigs and calves	20 degrees or 36.4% to the horizontal	4 over a distance of 11
Sheep and cattle other than calves	26 deg 34 mins 50% to the horizontal	4 over a distance of 8



In simple terms, on level ground the ramp length must be at least 3 times as long as the height from the ground.



On level ground the ramp length must be at least 2.2 times as long as the height from the ground.

It is difficult to measure accurately the slope angle of a ramp, particularly when the vehicle is on uneven ground, therefore a tolerance of +/- 5° may also be allowed.

Vehicles constructed and in use prior to January 2007 do not have to comply with the above until January 2012 provided they comply with previous regulation (WATO 1997) as follows:

Livestock	Angle	Vertical rise
Maximum angle - all species	29 deg 44 min	4 in 7

Part 2: Bedding Requirements in Transport (LT.4)

	Non-slip flooring only	Straw	Saw-dust	Perforated Floor
Cattle	Yes	Yes	Yes	No
Calves	No	Yes	No	No
Sheep	No	Yes	Yes	No
Pigs (Adult)	No	Yes	Yes	Yes
7kg weaner	No	Yes	No	No

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Part 3: Space Allowances in Transport (LT.5)
Bovine Animal

Category	Approx. weight (in kg)	Area in m ² /animal
Small Calves	55	0.30 to 0.40
Medium-sized calves	110	0.40 to 0.70
Heavy calves	200	0.70 to 0.95
Medium-sized cattle	325	0.95 to 1.30
Heavy cattle	550	1.30 to 1.60
Very heavy cattle	>700	(>1.60)

These figures may vary, depending not only on the animals' weight and size, but also on their physical condition, the meteorological conditions and the likely journey time.

Sheep/Goats

Category	Weight (in kg)	Area in m ² per animal
Shorn sheep and lambs of 26kg and over	<55	0.20 to 0.30
	>55	>0.30
Unshorn sheep	<55	0.30 to 0.40
	>55	>0.40
Heavily pregnant ewes	<55	0.40 to 0.50
	>55	>0.50
Goats	<35	0.20 to 0.30
	35 to 55	0.30 to 0.40
	>55	0.40 to 0.75
Heavily pregnant goats	<55	0.40 to 0.50
	>55	>0.50

The surface area indicated above may vary depending on the breed, size, the physical condition and the length of fleece of the animals, as well as on the meteorological conditions and the journey time. As an indication; for small lambs, an area of under 0.2m² per animal may be provided.

Pigs

All pigs must at least be able to lie down and stand up in their natural position.

In order to comply with these minimum requirements, the loading density for pigs of around 100kg should not exceed 235 kg/m².

The breed, size and physical condition of the pigs may mean that the minimum required surface area given above has to be increased; a maximum increase of 20% may also be require, depending on the meteorological conditions and the journey time.

Source: Council Regulations (EC) No 01/2005) 'Space allowances' (Annex 1, Chapter VII)