

Weights and Dimensions

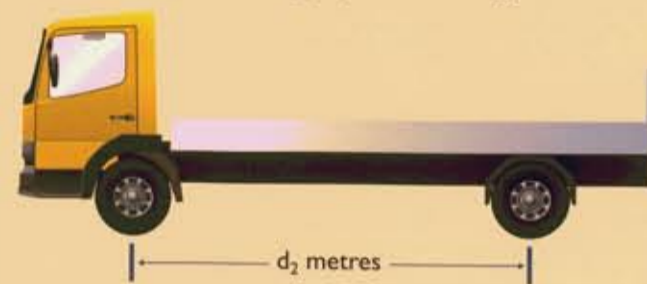
The weights and dimensions listed below are those specified in the Road Vehicles (Authorised Weight) Regulations 1998

RIGIDS

MAXIMUM LENGTH: 12 metres
MAXIMUM WEIGHT: see below

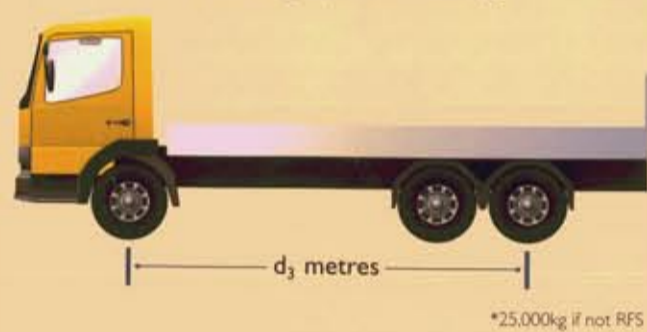
Two-axled rigid and tractor

$d_2 \times 6,000\text{kg}$ up to 18,000kg



Three-axled rigid

$d_3 \times 5,500\text{kg}$ up to 26,000kg*



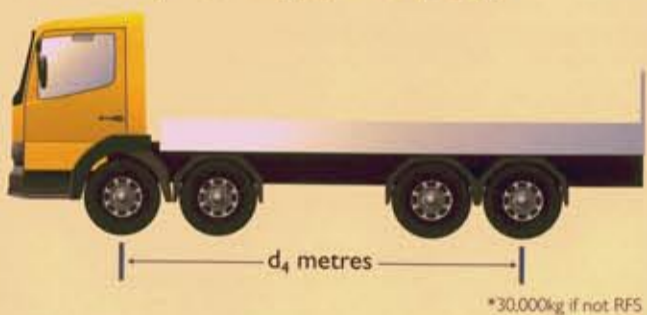
Three-axled tractor

$d_4 \times 6,000\text{kg}$ up to 26,000kg*



Four-axled rigid

$d_4 \times 5,000\text{kg}$ up to 32,000kg*



IMPORTANT NOTICE: Maximum weight is as stated above OR based on the calculation listed.

Example: for a 8x4 rigid where the outer axle spread (OAS) is 6.0 metres the vehicle weight is based on 6.0 (d_4) \times 5,000kg = 30,000kg.

Thus the permissible gross weight would be 30,000kg and not 32,000kg.

NOTE: RFS (road-friendly suspension) means a suspension system whereby at least 75 per cent of the spring effect is produced by air or other compressible fluid under pressure or suspension recognised as being equivalent within the EC as defined in Annex II of Council Directive 96/53/EC.

MAXIMUM LENGTH

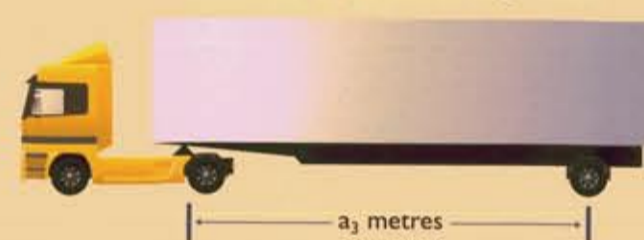


If a motor vehicle is drawing two or more trailers, or one trailer for carrying indivisible loads of exceptional length, unless police notice is given and an attendant employed, the length of the combination must not exceed **25.9m**

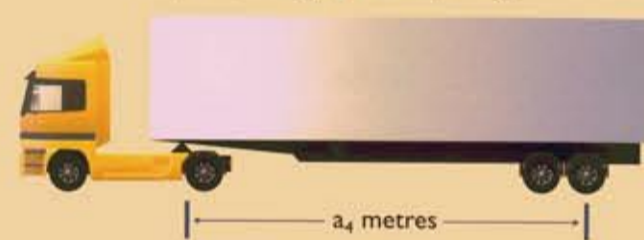
A load cannot be carried on a vehicle(s) if the total overall length of load and vehicles (excluding a load-carrying drawing vehicle) exceeds **27.4m** without special order from Department for Transport

MAXIMUM WEIGHT

$a_3 \times 5,500\text{kg}$ up to 26,000kg



$a_4 \times 5,500\text{kg}$ up to 36,000kg



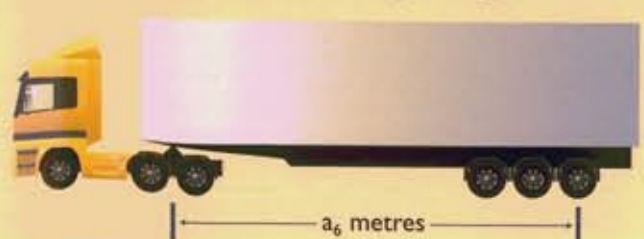
$a_{4t} \times 5,500\text{kg}$ up to 38,000kg (drive axle has twin tyres and RFS)



$a_5 \times 5,500\text{kg}$ up to 40,000kg

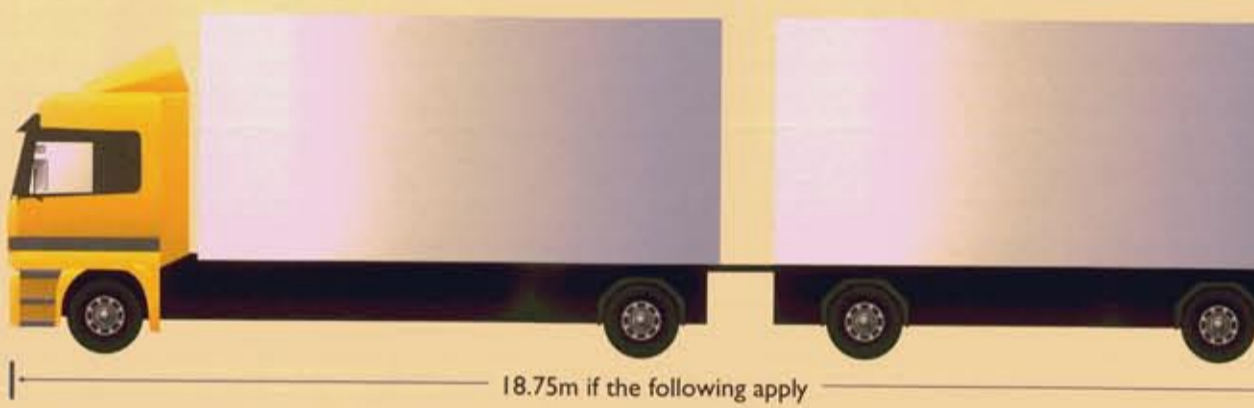
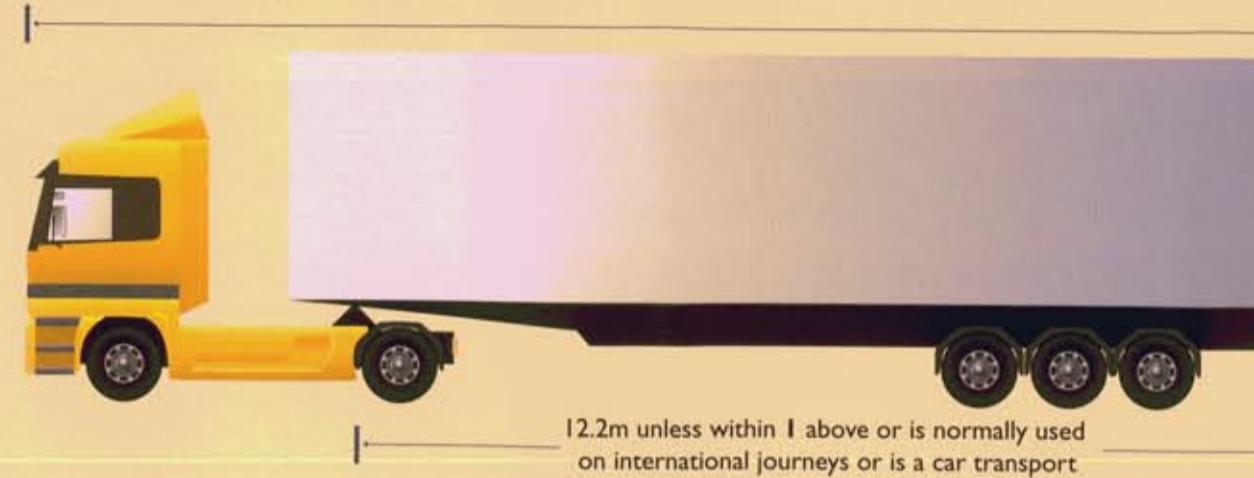


$a_6 \times 5,500\text{kg}$ up to 40,000kg (drive axle has twin tyres and RFS OR no axle exceeding 8,500kg)



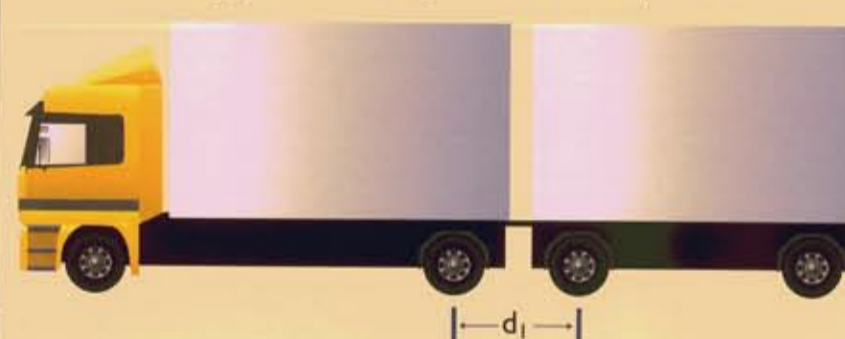
ARTICLS AND DRAWBARS

- 1 15.5m
- 2 16.5m if kingpin to rear of trailer not over 12m and no part of trailer outside 2.04m radius in front of kingpin (12.5m and 4.19m for car transporters)
- 3 18m for low-loaders

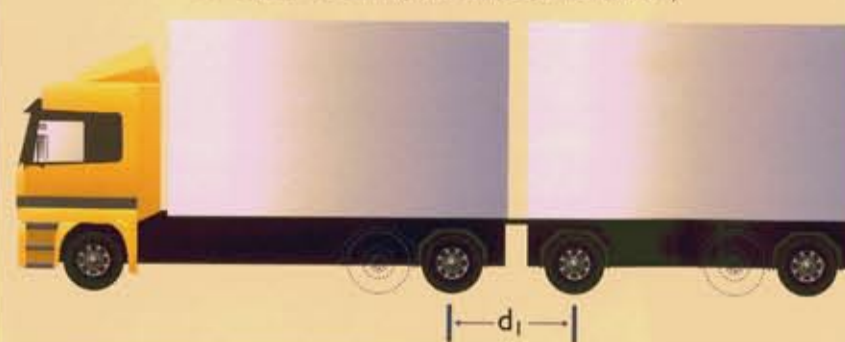


- 1 The distance from the front of the loadspace behind the driver's cab to the rear of the trailer minus the gap between motor vehicle and trailer does not exceed **15.6m**, except where both vehicles are car transporters
- 2 The distance from the front of the motor vehicle's loadspace to the rear of the trailer (including the coupling gap) does not exceed **16.4m**. **18m** in any other case (but total length of showman's vehicle drawing living van can be 22m)

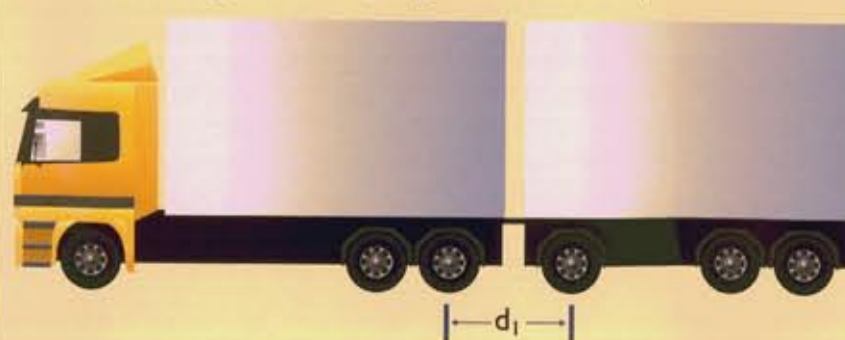
36,000kg provided d_1 is greater than or equal to 3m



40,000kg provided d_1 is greater than or equal to 3m (five axle combination)



44,000kg provided d_1 is greater than or equal to 3m



44 TONNE OPERATIONS

INTERMODAL

As part of the implementation of the EU weight rules in Directive 96/53, from 1 January 1999, 44 tonne operation was extended to cover **five-axled (3+2)** articulated vehicles. This provision is limited to a vehicle moving a 40ft ISO container to or from a railhead as part of an **international** rail-road movement, and only applies where the through international movement is by **rail**. Appropriate documents must be carried.

GENERAL

Operation above 40,000kg requires the axle weight of each drive axle not to exceed 10,500kg, the drive axle(s) to have road-friendly suspension OR not to exceed 8,500kg axle weight, the trailer to have road-friendly suspension and each part of the vehicle combination to have three axles.

NB: Operation OVER 41,000kg also requires the use of an engine that is certificated to the Euro 2 standard (or better) or a gas engine.

DRAWBAR TRAILERS

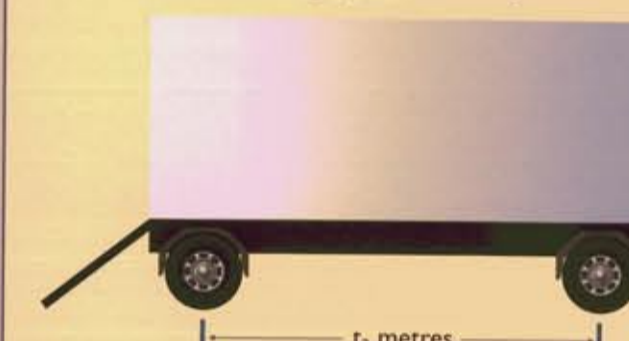
MAXIMUM LENGTH

12m if four or more wheels and drawn by truck over 3,500kg gw – otherwise 7m

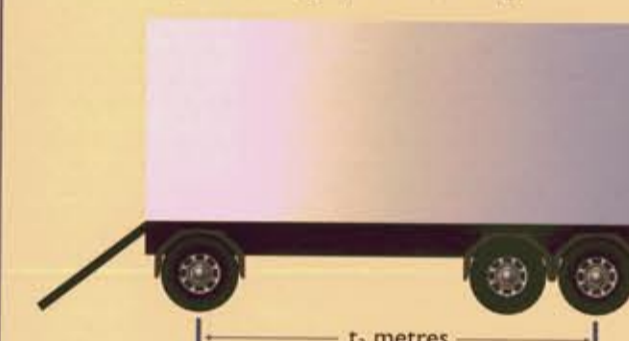


MAXIMUM WEIGHT

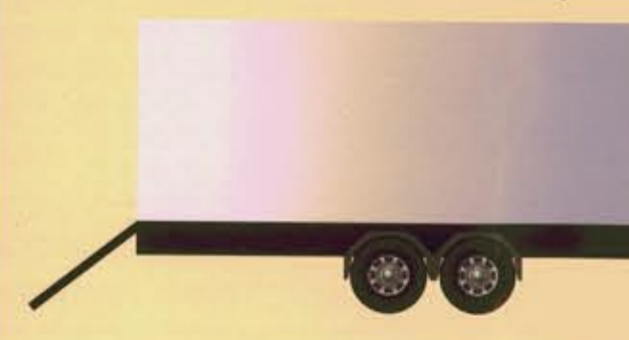
$t_2 \times 6,000\text{kg}$ up to 18,000kg



$t_3 \times 5,000\text{kg}$ up to 24,000kg



Trailer with two axles not less than 1.3m apart and where rear motor vehicle axle is at least 3m from front trailer axle = 18,000kg



Trailer with three or more axles spread not less than 1.3m apart and where rear motor vehicle axle is at least 3m from front trailer axle = 24,000kg



WIDTH AND HEIGHT



MAXIMUM WIDTH

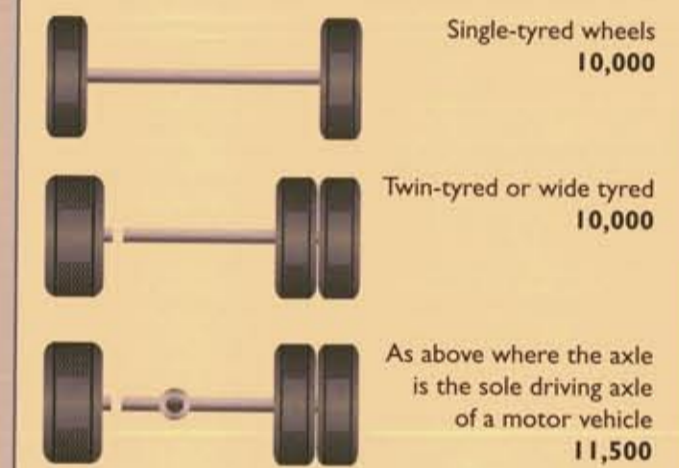
- 1 2.6m if fridge vehicle with 45mm sidewalls
- 2 2.3m for trailer drawn by motor vehicle not over 3,500kg gw

MAXIMUM HEIGHT

No UK limit (bridges under 16ft 6in (5m) should be indicated with warning sign)

AXLES

Maximum authorised weight (kg)



But limited to 10,500kg at gcw more than 40,000kg

Axle	Maximum authorised weight (kg)
Driving tandem axle complying with ¹ below with axles less than 1m apart	19,000
with axles 1m to 1.3m apart	11,500
with axles 1.3m to 1.8m apart	16,000
Driving tandem axle NOT complying with ¹ below with axles less than 1m apart	18,000
with axles 1m to 1.3m apart	11,500
with axles 1.3m to 1.8m apart	16,000
Non-driving tandem axles with axles less than 1m apart	20,000
with axles 1m to 1.3m apart	11,000
with axles 1.3m to 1.8m apart	16,000
Triaxle with any two axles 1.3m or less apart	24,000
	21,000

¹ either the driving axle is fitted with twin tyres and road-friendly suspension or each driving axle has twin tyres and no axle has an axle weight exceeding 9,500kg.

NOTE: A driving tandem axle is one in which either or both axles are driven.

