



Truck transport 20 ltr. KeyKegs

keg data:

Diameter: 355 mm, height: 373 mm, height including intermediate sheet: 380 mm
Empty weight: 1.0 kg
Filled weight by hand loading: 21.2 kg
Filled weight on pallet (incl. plastic wrapping, intermediate sheets, security straps): 21.4 kg

pallet data:

CP5 pallet: 1140x760x140, weight disposable quality: 14 kg

Up to 5 layers of filled KeyKegs can be stacked on a pallet. Total height incl. pallet 204 cm.
Maximum amount of kegs per pallet: 30
Standard pallet loading of empty kegs ex works Schwerin is 6 layers, 36 kegs, height is 242 cm.

truck data:

Internal width is 2,45 m. Truck cargo heights reach up to 3 m.
In most European countries the gross weight of a truck and trailer may not exceed 40 tons.
Maximum payload limit in most European countries is 25 tons.
Depending on choice truck plus wagon or trailer 34 or 33 pallets fit on the cargo floor respectively.

KeyKegs on pallets

Empty kegs on their way to the brewery can be stacked to a maximum of 6 layers, this means:

1224 or 1188 KeyKegs per truck plus wagon or trailer respectively
(in trucks higher than 290 cm an additional layer could be stacked manually resulting in 1428 and 1392 empty KeyKegs respectively)

For filled kegs however the above mentioned road weight restrictions should be regarded.

1224 filled KeyKegs incl. 34 pallets (6 layers) weigh approx. 26.670 kg.

1188 filled KeyKegs incl. 33 pallets (6 layers) weigh approx. 25.885 kg.

Therefore, in most countries, trucks cannot be filled to their maximum volume.

34 pallets with 4 layers of KeyKegs weigh: $34 \times (6 \times 4 \times 21.4 + 14) = 17.938 \text{ kg}$

34 pallets with 5 layers of KeyKegs weigh: $34 \times (6 \times 5 \times 21.4 + 14) = 22.304 \text{ kg}$

13 pallets with 5 layers and 21 pallets with 6 layers of KeyKegs weigh: $13 \times (6 \times 5 \times 21.4 + 14) + 21 \times (6 \times 6 \times 21.4 + 14) = 25.000 \text{ kg}$

Disclaimer: The information contained herein is offered without charge for use by technically qualified personnel at their discretion and risk. All statements, technical information and recommendations contained herein are based on tests and data which Lightweight Containers believes to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect hereto.

Lightweight Containers bv, October 2009