

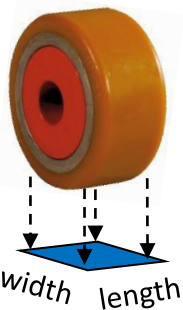
WEIGHT DISTRIBUTION ON FLOOR

For directional dolly model D5 (JLF 5)

Dolly:

D5

Wheel Footprint



Wheel size

Length:
1.7" | 43mm
Diameter:
3.3" | 85mm

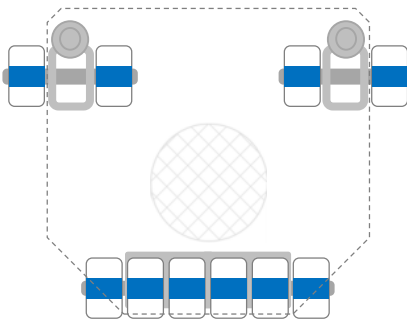
Wheel contact surface with floor

Width: 0.78" | 20mm
Length: 1.70" | 43mm

Footprint per wheel:

▶ **1.33 in²** | 8.60cm²

Dolly Footprint

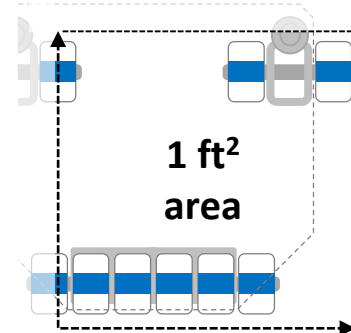


Footprint per dolly:

▶ **13.3 in²** | 86.0cm²

Footprint per ft²

Maximum footprint
within any 1 ft² area



Footprint per ft²:

▶ **10.4 in²** | 67.1cm²

Variations in Footprint:

With increasing weight, the elastic JUWATHAN wheel material spreads out and increases the contact area with the floor. The enlarged footprint divides the weight over a larger area so that the pressure onto the floor is drastically reduced. The footprint above is measured at maximum load capacity. Ⓢ The size of the actual footprint and in turn the actual psi may vary based on actual load weight, temperature, load bearing duration, etc.. Therefore the data provided is an estimate to be used as a general guideline only.

Pressure per in² for concerns about indenting soft floor

$$\text{Pressure (psi)} = \frac{\text{Load weight (lbs) per dolly}}{\text{Footprint (in}^2\text{) per dolly}}$$

Pressure per in² at maximum load capacity ▶ **752 psi**

Pressure per ft² for concerns about breaking through supported floor

$$\text{Pressure (psf)} = \frac{\text{Load weight (lbs) per dolly} \times \text{Footprint (in}^2\text{) per ft}^2}{\text{Footprint (in}^2\text{) per dolly}}$$

Pressure per one ft² at maximum capacity ▶ **7,797 psf**

Ⓢ The size of the actual footprint and in turn the actual floor pressure is influenced by various factors such as temperature and load bearing duration. Therefore the data provided is an estimate to be used as a general guideline only.



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