

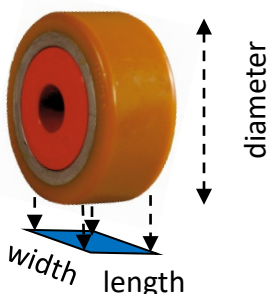
WEIGHT DISTRIBUTION ON FLOOR

For rotating dolly model R14 (JKB 14G)

Dolly:

R14

Wheel Footprint



Wheel size

- ▶ length: 2.3" | 59mm
- ▶ diameter: 5.5" | 140mm

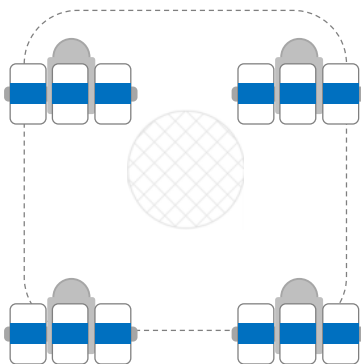
Wheel contact surface with floor

- ▶ width: 1.30" | 33mm
- ▶ length: 2.32" | 59mm

Footprint per wheel:

- ▶ **3.02 in²** | 19.47cm²

Dolly Footprint

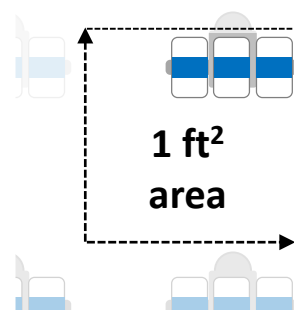


Footprint per dolly:

- ▶ **36.2 in²** | 233.6cm²

Footprint per ft²

Maximum footprint within any 1 ft² area



Footprint per ft²:

- ▶ **9.06 in²** | 58.4cm²

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 •▶ **773 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 •▶ **7008 psf**