

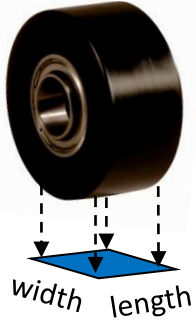
Dolly:

**R3**

## WEIGHT DISTRIBUTION ON FLOOR

For rotating dolly model R3 (JKB 3K)

### Wheel Footprint



**Wheel size**

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

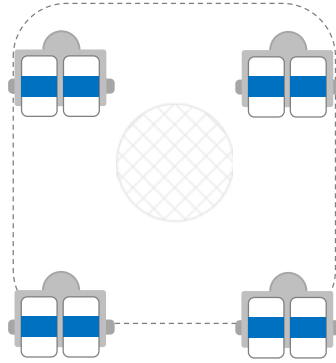
**Wheel contact surface with floor**

Width: 0.18" | 4.5mm  
Length: 1.70" | 43mm

**Footprint per wheel:**

▶ **0.31 in<sup>2</sup>** | 1.94cm<sup>2</sup>

### Dolly Footprint

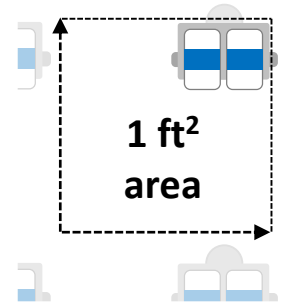


**Footprint per dolly:**

▶ **2.48 in<sup>2</sup>** | 15.52cm<sup>2</sup>

### Footprint per ft<sup>2</sup>

Maximum footprint  
within any 1 ft<sup>2</sup> area



**Footprint per ft<sup>2</sup>:**

▶ **0.62 in<sup>2</sup>** | 3.88cm<sup>2</sup>

**Characteristics of wheel material in relation to footprint:**

The JUWamid wheel material is formulated to easily turn in place and to provide a high degree of maneuverability at a low rolling resistance.

The harder wheels are therefore designed to produce a minimal footprint to reduce the "rubber"-effect during turns.

If a larger footprint is desired, please consider using JUNG machine skates with elastic JUWathan+ wheels.

### Pressure per in<sup>2</sup> 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 in<sup>2</sup> at maximum load capacity** ▶ **2661 psi**

### Pressure per ft<sup>2</sup> 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 ft<sup>2</sup> at maximum capacity** ▶ **1,650 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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