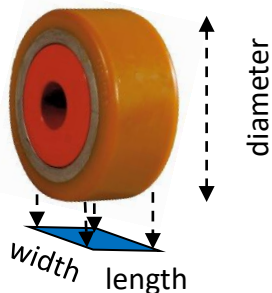


Dolly:  
**X20/Y20**

## WEIGHT DISTRIBUTION ON FLOOR

For container dolly model X20 (JTL 20G+TL) and Y20 (JFB 20G+TL)

### Wheel Footprint



#### Wheel size

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

#### Wheel contact surface with floor

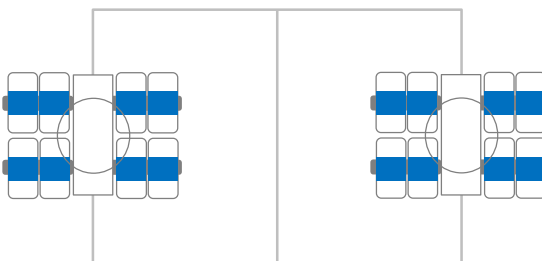
- ▶ width: 1.30" | 33mm
- ▶ length: 2.32" | 59mm

#### Footprint per wheel:

- ▶ **3.02 in<sup>2</sup>** | 19.47cm<sup>2</sup>

### Dolly Footprint

Dolly Model  
**X20**



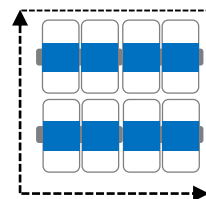
Dolly Model  
**Y20**



Footprint per dolly: ▶ **48.32 in<sup>2</sup>**

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

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



**1 ft<sup>2</sup>  
area**

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

- ▶ **24.16 in<sup>2</sup>**

#### 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 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 ▶ **828 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 ▶ **20,000 psf**



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