

## What is Wheel Deflection?

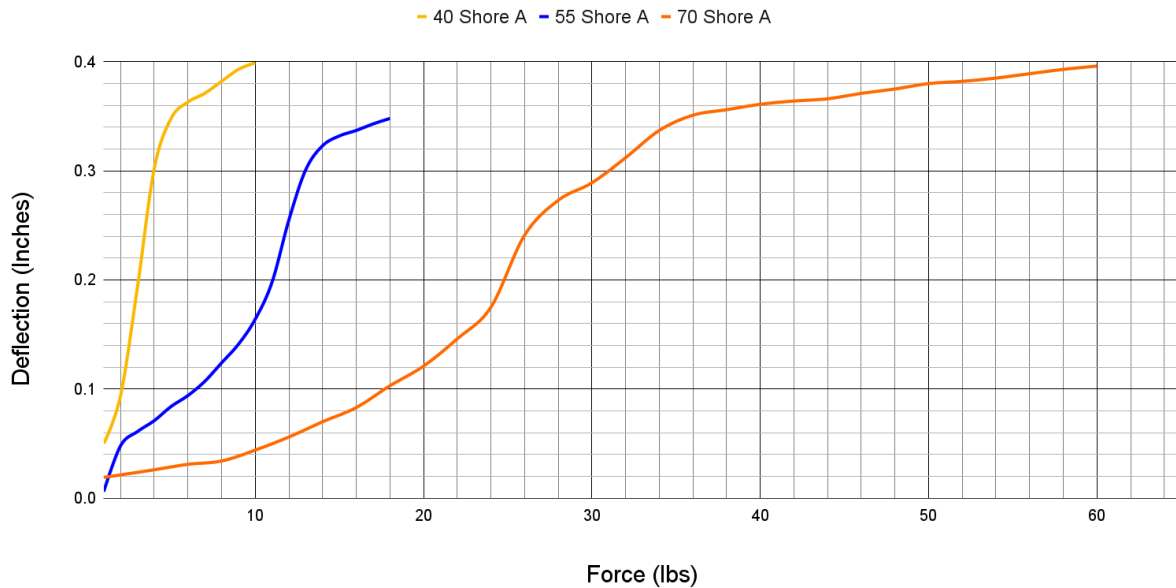
Wheel Deflection refers to the amount a No-Crush Wheel will compress or "crush". The amount of deflection depends on several factors, including the wheel's diameter, width, and polyurethane durometer. Below, you will find deflection charts for our most common No-Crush Wheel sizes and durometers to help guide your selection.

# No-Crush Wheel Deflection Charts

## 2.5" No-Crush Wheel Deflection

### Force vs. Deflection (2.5" OD x 1" WD)

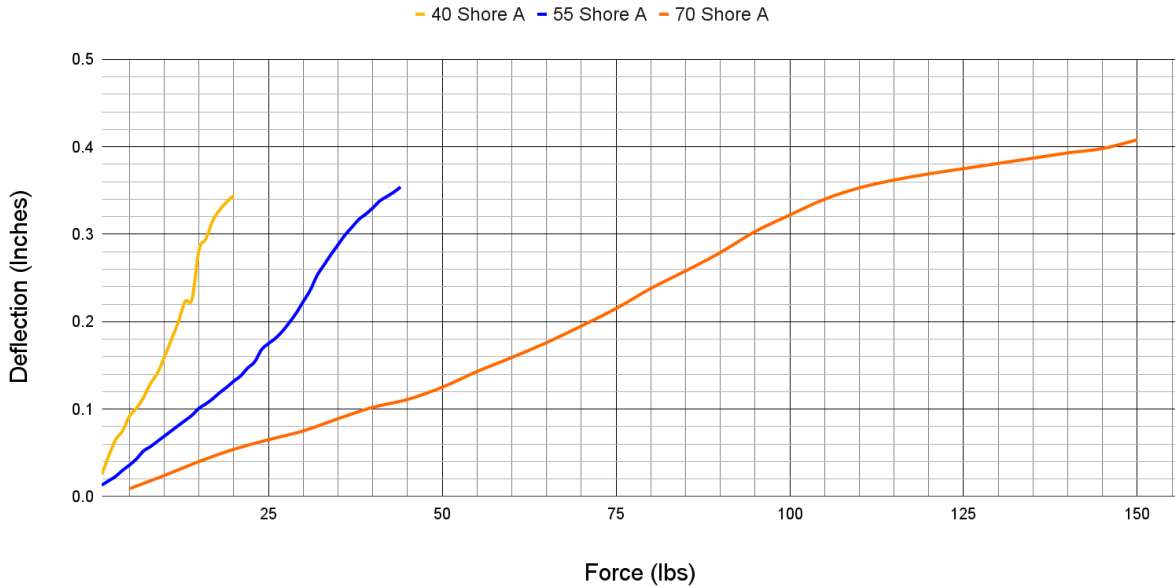
Values provided are tested estimates and not guaranteed to be exact for all conditions. Tests conducted at room temperature with wheels stationary. Data ends where wheel spoke profile is fully compressed.



### 3.0" No-Crush Wheel Deflection

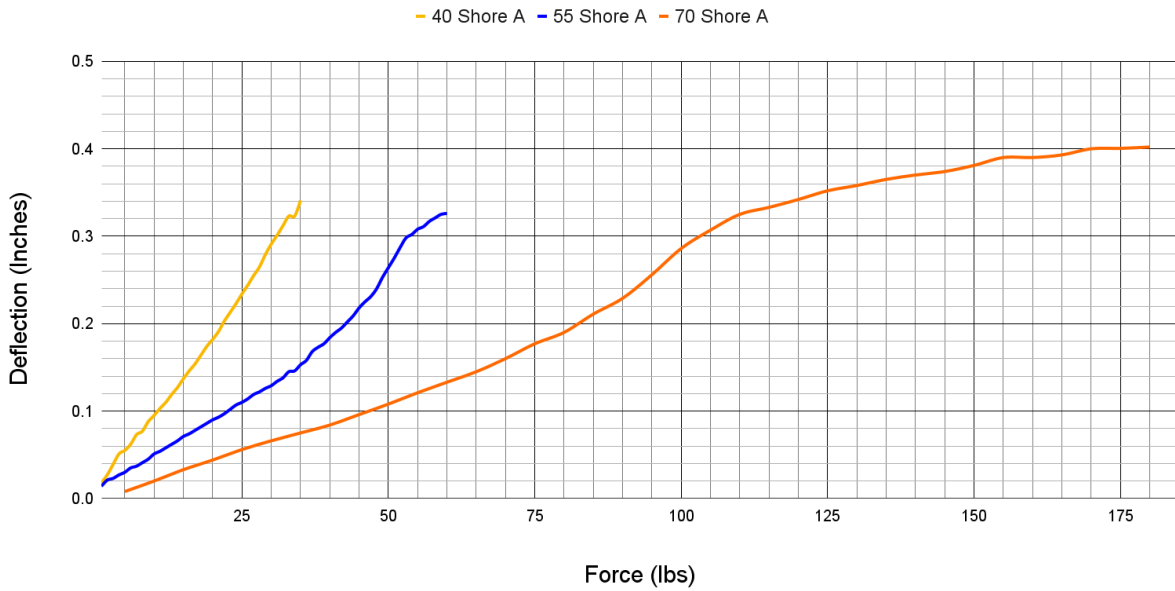
#### Force vs. Deflection (3" OD x 1" WD)

Values provided are tested estimates and not guaranteed to be exact for all conditions. Tests conducted at room temperature with wheels stationary. Data ends where wheel spoke profile is fully compressed.



#### Force vs. Deflection (3" OD x 2" WD)

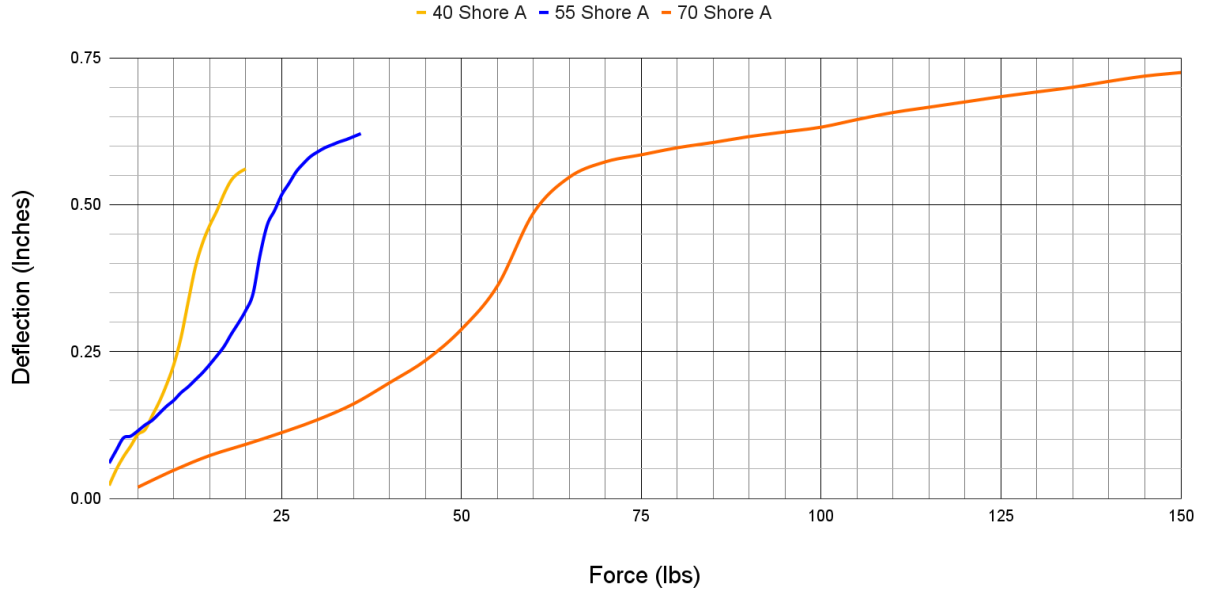
Values provided are tested estimates and not guaranteed to be exact for all conditions. Tests conducted at room temperature with wheels stationary. Data ends where wheel spoke profile is fully compressed.



## 4.0" No-Crush Wheel Deflection

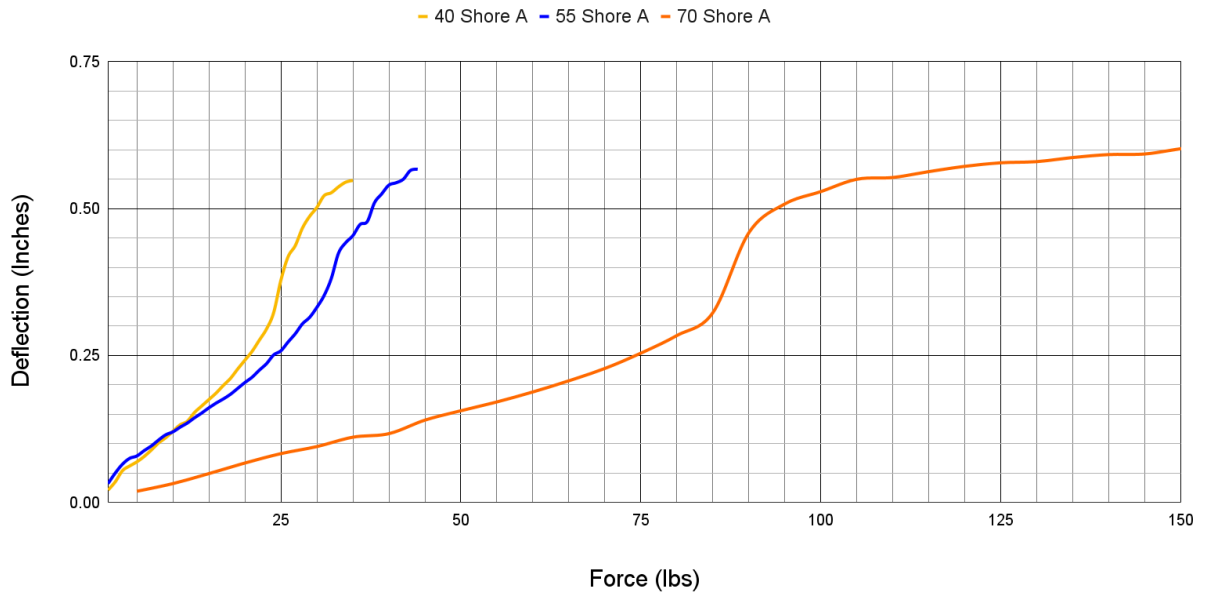
### Force vs. Deflection (4" OD x 1" WD)

Values provided are tested estimates and not guaranteed to be exact for all conditions. Tests conducted at room temperature with wheels stationary. Data ends where wheel spoke profile is fully compressed.



### Force vs. Deflection (4" OD x 2" WD)

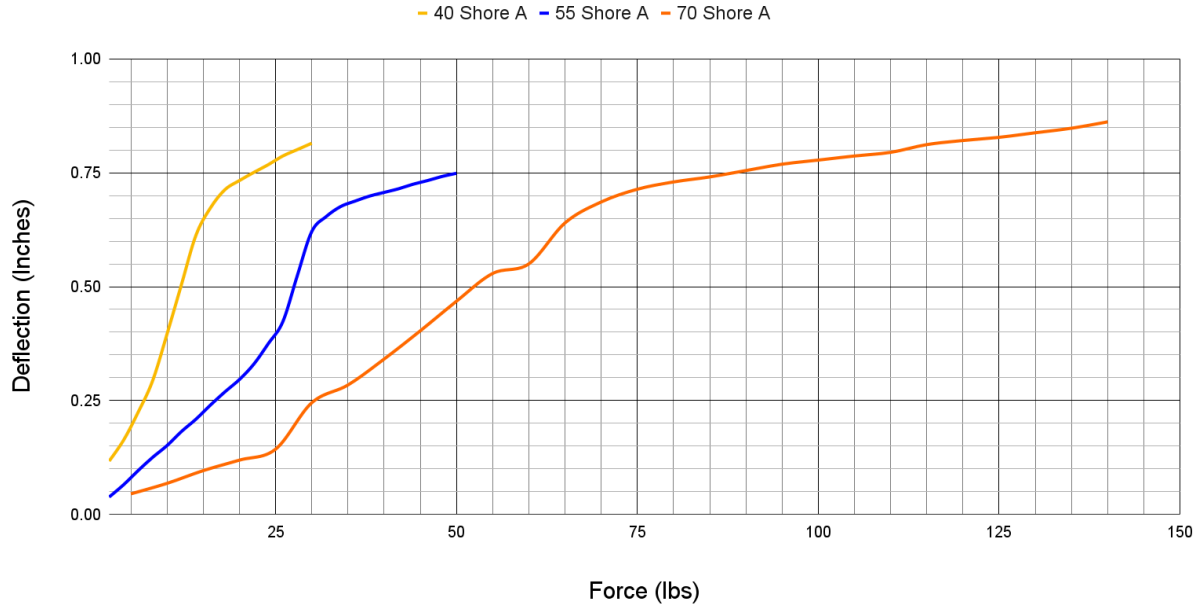
Values provided are tested estimates and not guaranteed to be exact for all conditions. Tests conducted at room temperature with wheels stationary. Data ends where wheel spoke profile is fully compressed.



## 5.0" No-Crush Wheel Deflection

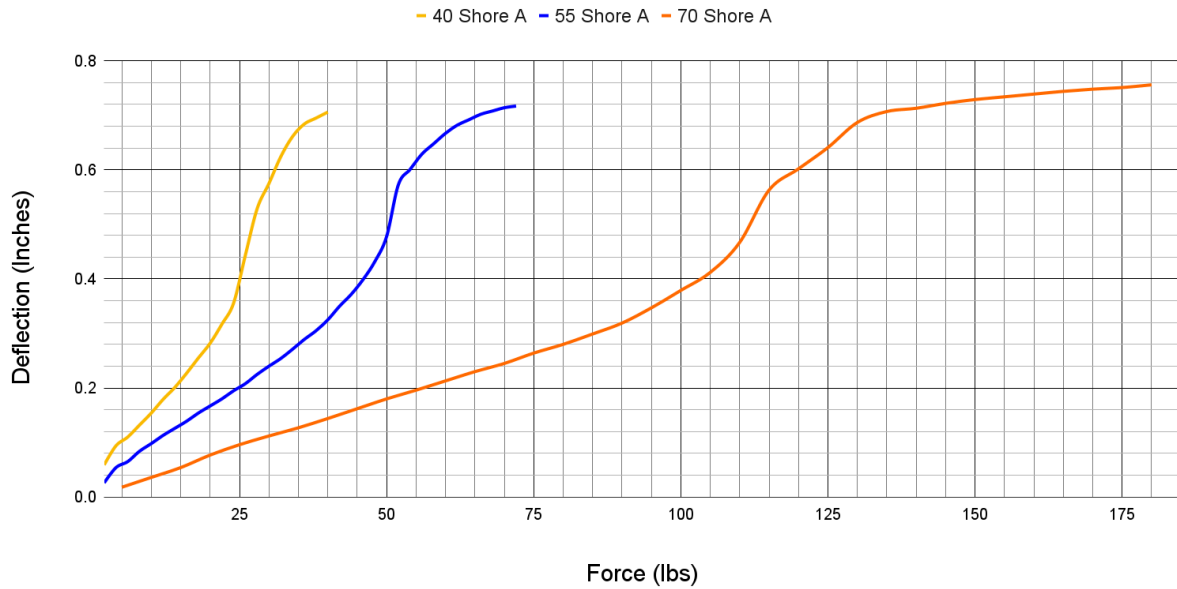
### Force vs. Deflection (5" OD x 1" WD)

Values provided are tested estimates and not guaranteed to be exact for all conditions. Tests conducted at room temperature with wheels stationary. Data ends where wheel spoke profile is fully compressed.



### Force vs. Deflection (5" OD x 2" WD)

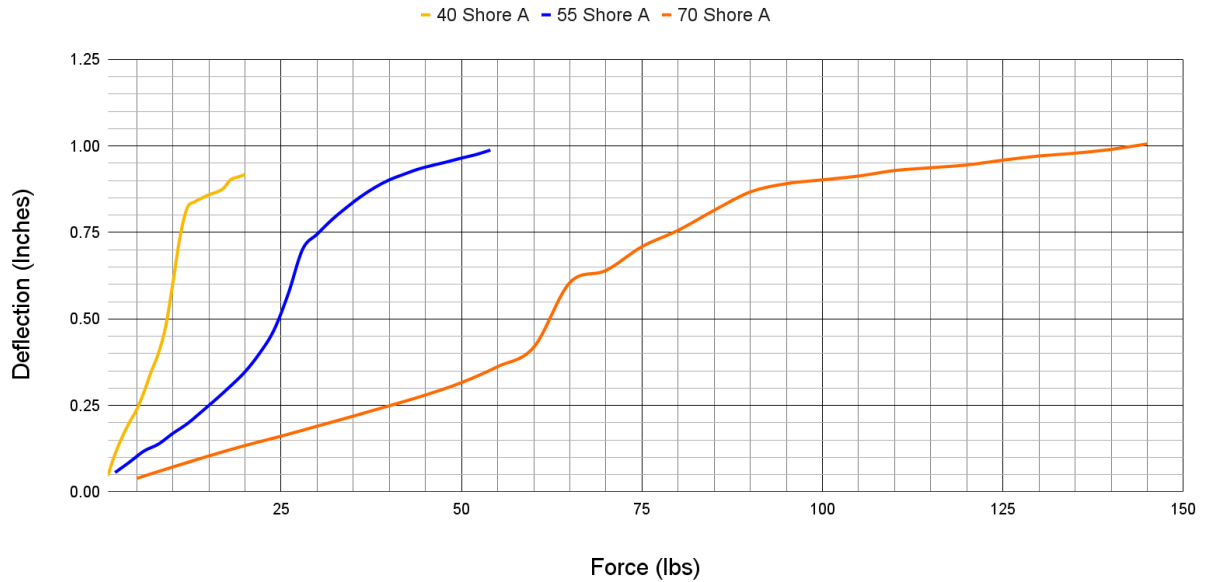
Values provided are tested estimates and not guaranteed to be exact for all conditions. Tests conducted at room temperature with wheels stationary. Data ends where wheel spoke profile is fully compressed.



## 6.0" No-Crush Wheel Deflection

### Force vs. Deflection (6" OD x 1" WD)

Values provided are tested estimates and not guaranteed to be exact for all conditions. Tests conducted at room temperature with wheels stationary. Data ends where wheel spoke profile is fully compressed.



### Force vs. Deflection (6" OD x 2" WD)

Values provided are tested estimates and not guaranteed to be exact for all conditions. Tests conducted at room temperature with wheels stationary. Data ends where wheel spoke profile is fully compressed.

