

# EXCAVATOR BOOM MEASUREMENTS GUIDE

H&R Construction Equipment Parts | hrparts.com | 800-333-0650

## Instructions:

To measure your boom for a replacement you will only need a measuring tape. Mark your measurements on this document. If in doubt, call an H&R Parts Specialist for assistance and help locating your boom. **For best and most accurate results, measure pin hole diameter in millimeters.**

## Measurements

---

### Stick Connection Pin Hole Diameter | PH1

Measure the diameter of one of the pin holes in a pin ear that is used to connect the stick to the boom.

---

### Stick Cylinder Connection Pin Hole Diameter | PH2

Measure the diameter of one of the pin holes in a pin ear on the top of the boom that is used to connect the stick cylinder to the boom.

---

### Boom Cylinder Connection Pin Hole Diameter | PH3

Measure the diameter of one of the pin holes that is used to connect the boom cylinder to the side of the boom.

---

### Boom Base Connection Pin Hole Diameter | PH4

Measure the diameter of one of the pin holes that is used to connect the base of the boom to the excavator.

---

### Stick Connection Pin Hole to Stick Cylinder Connection Pin Hole Distance | A

Measure the distance from the center of one of the stick connection pin holes to the center of one of the stick cylinder connection pin holes.

---

### Boom Cylinder Connection Pin Hole to Boom Base Connection Pin Hole Distance | B

Measure the distance from the center of one of the boom cylinder connection pin holes to one of the boom base connection pin holes.

---

Measurements Continue 

# EXCAVATOR BOOM MEASUREMENTS GUIDE

H&R Construction Equipment Parts | hrparts.com | 800-333-0650

## Measurements

---

### Boom Cylinder Connection Pin Hole Height | **C**

Measure the distance from the center of one of the boom cylinder connection pin holes to a point that would be directly below it on the ground if the boom were standing on its edge.

---

### Working Length | **WL**

Determine the full, working length of the boom by measuring (as a straight line) from the center of the pin hole that will connect to the excavator to the center of the pin hole that will connect to the stick.

---

### Stick Connection Pin Ears Inside Width | **PE1**

Measure the inside width of the pin ears on the far side of the boom where the stick will connect to the boom.

---

### Stick Cylinder Connection Pin Ears Inside Width | **PE2**

Measure the inside width of the pin ears on the upper side of the boom where the stick cylinder will connect to the boom.

---

### Boom Base Width | **BW**

Determine the base width of the boom by measuring across the entire base where the boom connects to the machine, from the left-hand (LH) side to the right-hand (RH) side.

---

Continue to Diagrams 

# EXCAVATOR BOOM MEASUREMENTS GUIDE

H&R Construction Equipment Parts | hrparts.com | 800-333-0650

## Excavator Boom [Side]

Stick Connection Pin Hole Diameter | **PH1**

Stick Cylinder Connection Pin Hole Diameter | **PH2**

Boom Cylinder Connection Pin Hole Diameter | **PH3**

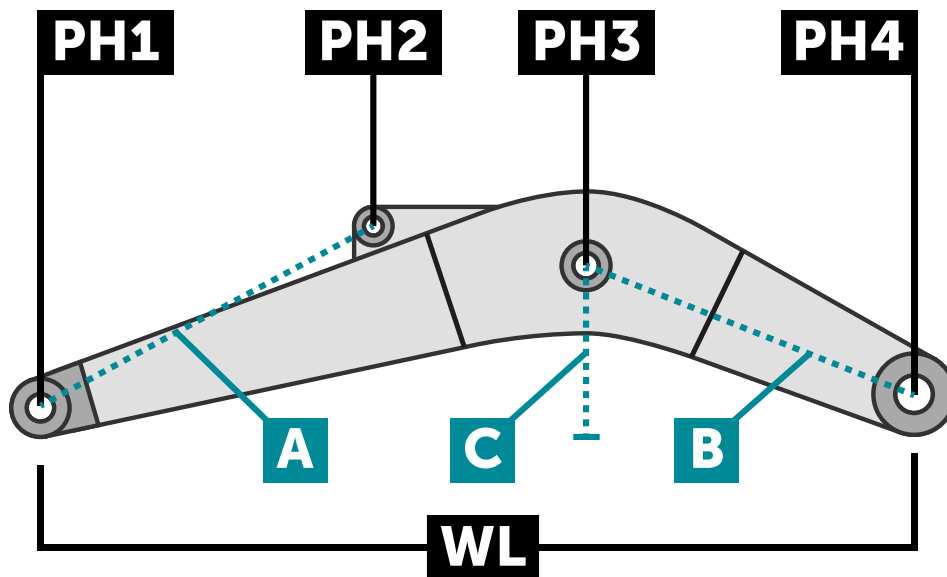
Boom Base Connection Pin Hole Diameter | **PH4**

Stick Connection Pin Hole to Stick Cylinder Connection Pin Hole Distance | **A**

Boom Cylinder Connection Pin Hole to Boom Base Connection Pin Hole Distance | **B**

Boom Cylinder Connection Pin Hole Height | **C**

Working Length | **WL**



Diagrams Continue 

# EXCAVATOR BOOM MEASUREMENTS GUIDE

H&R Construction Equipment Parts | [hrparts.com](http://hrparts.com) | 800-333-0650

## Excavator Boom [Side / Front Angled]

---

Stick Connection Pin Ears Inside Width | **PE1**

Stick Cylinder Connection Pin Ears Inside Width | **PE2**

Boom Base Width | **BW**

