

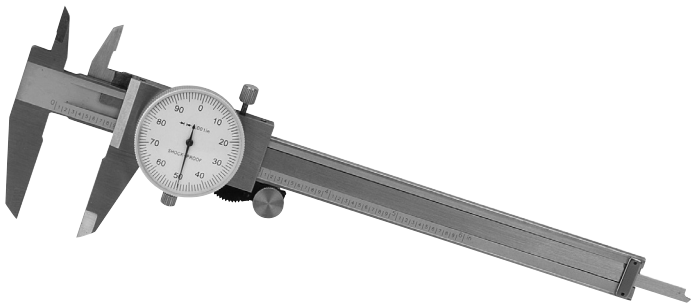
Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

PITTSBURGH®

ITEM 66541

6" Dial Caliper



REV 14d

Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

⚠ WARNING

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

Specifications

Scale Units	Inches
Accuracy	± 0.001 "
Measuring Capabilities	Inside / Outside / Depth / Step
Scale Type	Mechanical Dial

Important Safety Information

1. This product is not a toy. Do not allow children to play with or near this item.
2. Wear ANSI-approved safety goggles during use.
3. Keep work area clean and well lit.
4. Do not operate when tired or when under the influence of alcohol, drugs or medication.
5. Use as intended only.
6. Inspect before every use; do not use if parts are loose or damaged.
7. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

Operating Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this document including all text under subheadings therein before set up or use of this product.

1. Make sure upper and lower Outside Diameter Jaw (2) faces are clean. See **Figure A**.
2. Loosen Slide Scale Lock (6) by turning it counterclockwise.
3. Use Thumb Roll (1) to close Outside Diameter Jaws (2).
4. Sliding Index Edge (7) should line up at "0".
5. To adjust (if needed), loosen the Dial Adjustment Lock (3) by turning it counterclockwise.
6. Set the Dial (5) by turning the Dial Adjustment (4) either clockwise or counterclockwise until the Dial Needle points to "0".
7. Lock the Dial (5) on its "0" setting by tightening the Dial Adjustment Lock (3) clockwise. The Caliper is ready to use.

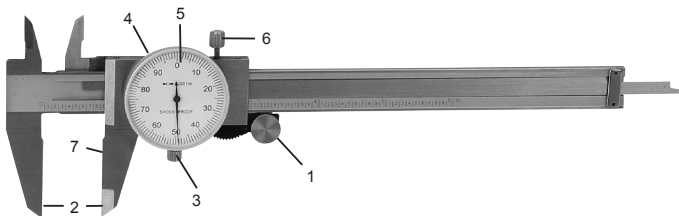


Figure A

8. To read the Scale and Dial, the Sliding Index Edge features readings in inches (0.001" and 0.010" per call-out segment) See **Figure B**.
9. Read the Scale Measurement Point in inches and tenths of inches (such as 0.5"). Then read the Dial Needle on the Dial in thousandth of an inch (such as .081").
10. Combine the two readings for a final reading of 0.581".

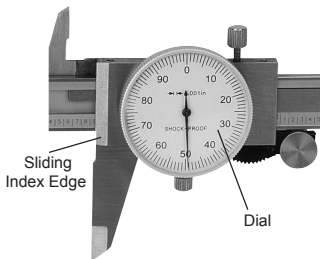


Figure B

11. To use the Caliper to measure the outside diameter of an object, close the Outside Diameter Jaws over the object, making sure that the item rests squarely on the Jaws. See **Figure C**, below.

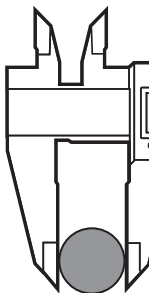


Figure C

12. To use the Caliper to measure the inside diameter of an object, see **Figure D**, below.

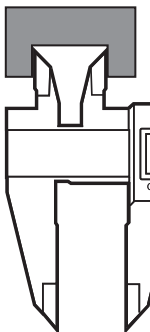


Figure D

13. To make a depth measurement of an object, see **Figure E**. To measure the step of an object, see **Figure F**.

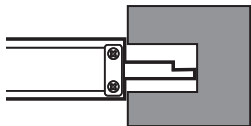


Figure E

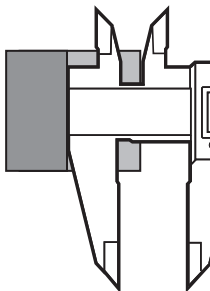


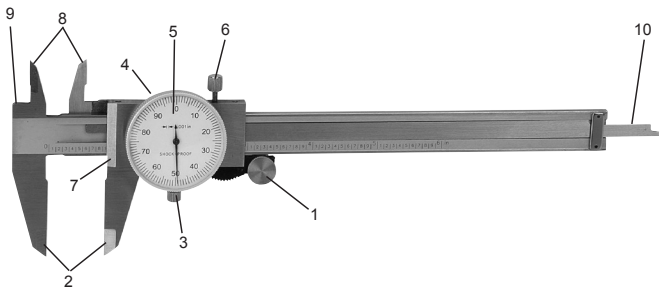
Figure F

PLEASE READ THE FOLLOWING CAREFULLY

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Parts List and Diagram

Part	Description	Qty.
1	Thumb Roll	1
2	Outside Diameter Jaws	2
3	Dial Adjustment Lock	1
4	Dial Adjustment	1
5	Dial	1
6	Slide Scale Lock	1
7	Sliding Index Edge	1
8	Inside Diameter Jaws	2
9	Step Measuring Surface	1
10	Depth Measuring Blade	1



Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

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