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› Dasqua 1432-4105 0-18" Heavy Duty Dial Caliper User Manual

Dasqua 1432-4105

Dasqua 0-18" Heavy Duty Dial Caliper

MODEL: 1432-4105

User Manual

1. PRODUCT OVERVIEW

The Dasqua 1432-4105 is a 0-18" heavy-duty dial caliper designed for precise dimensional measurement. Constructed from solid stainless steel with a satin chrome finish, it features tough shock-proof gearing and hardened, ground, and lapped measuring surfaces, ensuring silky smooth movement and reliable performance.



Figure 1.1: Main view of the Dasqua 0-18" Heavy Duty Dial Caliper.

Key Features:

- Tough shock-proof gearing
- Hardened, ground and lapped measuring surfaces
- Silky smooth movement throughout
- Solid stainless steel construction
- Satin chrome finish

2. SETUP

Before first use, ensure the caliper is clean and free of any debris or protective oils. Wipe all measuring surfaces with a clean, lint-free cloth. Avoid using harsh chemicals that may damage the finish or internal components.

Zeroing the Caliper:

1. Close the measuring jaws completely.
2. Ensure the dial indicator reads zero. If not, loosen the bezel clamp screw and rotate the dial bezel until the pointer aligns with the zero mark. Tighten the bezel clamp screw.
3. Verify smooth movement of the slider along the beam.



Figure 2.1: Caliper jaws closed for zeroing.

3. OPERATING INSTRUCTIONS

The Dasqua dial caliper can perform four types of measurements: outside dimension, inside dimension, depth, and step measurement.

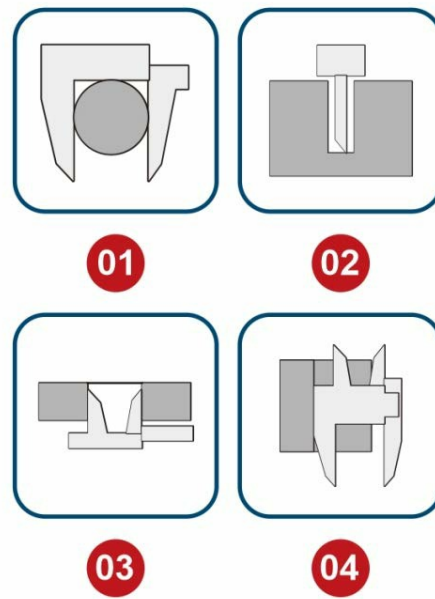


Figure 3.1: Illustration of various measurement types (01: Outside, 02: Depth, 03: Step, 04: Inside).

Performing Measurements:

1. **Outside Measurement:** Place the object between the outside jaws. Gently close the jaws until they make firm contact with the object. Read the measurement from the dial and main scale.
2. **Inside Measurement:** Place the inside jaws into the opening to be measured. Open the jaws until they make firm contact with the inner surfaces. Read the measurement.
3. **Depth Measurement:** Extend the depth rod from the end of the caliper into the hole or recess. Rest the end of the beam on the surface and extend the rod until it touches the bottom. Read the measurement.
4. **Step Measurement:** Place the step measuring face of the caliper on the higher surface and extend the slider until the lower step measuring face touches the lower surface. Read the measurement.



Figure 3.2: Close-up view of the dial for precise reading.

4. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Dasqua dial caliper.

Cleaning and Storage:

- After each use, wipe the caliper clean with a soft, lint-free cloth to remove any dust, dirt, or moisture.
- Apply a thin coat of light machine oil to all metal surfaces to prevent rust, especially if storing for extended periods.
- Store the caliper in its protective case in a dry, clean environment, away from direct sunlight, extreme temperatures, and humidity.
- Avoid dropping or subjecting the caliper to impact, as this can damage the precision components and affect accuracy.

Calibration:

Regular calibration is recommended to maintain measurement accuracy. The frequency of calibration depends on usage and environmental conditions. For professional use, follow industry standards or consult a certified calibration laboratory.

5. TROUBLESHOOTING

If you encounter issues with your Dasqua dial caliper, refer to the following common problems and solutions:

Common Issues:

- **Inaccurate Readings:**
 - Ensure the caliper is properly zeroed before use.
 - Check for debris or burrs on the measuring surfaces or along the beam. Clean thoroughly.
 - Verify that the object being measured is properly seated against the jaws.
 - If issues persist, the caliper may require professional calibration or repair.
- **Sticky or Rough Movement:**
 - Clean the main beam and slider thoroughly to remove any accumulated dirt or grime.

- Apply a small amount of light machine oil to the beam and slide mechanism.
- Check for any physical damage or bending of the beam.

6. SPECIFICATIONS

Detailed technical specifications for the Dasqua 1432-4105 Dial Caliper:

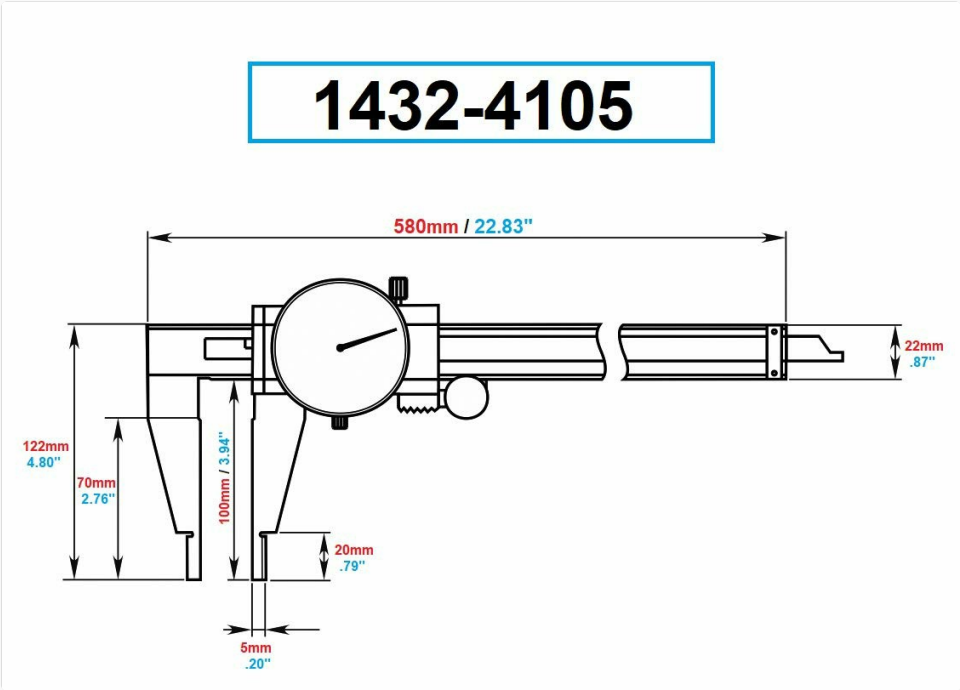


Figure 6.1: Technical drawing illustrating key dimensions of the caliper.

Specification	Value
Model Number	1432-4105
Measuring Range	0-18 inches
Material	Stainless Steel
Finish	Satin Chrome
Product Dimensions	30 x 7 x 2 inches
Item Weight	4.4 Pounds
UPC	769053104867
Manufacturer	ABS Import Tools Inc.
Country of Origin	China

7. WARRANTY AND SUPPORT

Warranty Information:

This product is inspected and approved for sale by Dasqua. It is covered by a return policy that allows for refund or

replacement within 30 days, fulfilled by Amazon. For specific warranty details beyond the initial return period, please refer to the documentation provided with your product or contact Dasqua directly.

Customer Support:

For any questions, technical assistance, or to provide feedback regarding your Dasqua 1432-4105 Dial Caliper, please visit the official Dasqua website or contact their customer service department. Your input is valuable and helps us improve our products and services.

Visit the Dasqua Store: [Dasqua Amazon Store](#)

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