

# MacKay MKH 4500 Housing



## MacKay MKH 4500 Heavy Duty Housing



MacKay  
housing

### Key features:

- MacKay Meters™ has produced some of the strongest, most secure, vandal-resistant housings in the industry today.
- Featuring our top-of-the-line vandal resistant housing, completely constructed of durable ductile iron with special tapered design for increased strength and security. The **MKH 4500** is a large-vault, high security meter housing, precision machined and designed for increased security.
- The **MKH 4500** features our largest vault in a tough wrinkle finish with an extended coin can.
- Compatible with the MacKay Meters' industry-leading electronic mechanisms and competitive products.
- MacKay Meters™ backs its product lines with a solid warranty based on confidence in the quality of its products.
- All MacKay housings are distinguished by their "hex" shaped top.
- Manufactured under ISO 9001:2008 certified quality processes.

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[www.mackaymeters.com](http://www.mackaymeters.com)





**High Security Mechanism Housing:** Precision—annealed ASTM A536 ductile iron with rugged construction. Minimum tensile strength of 65,000 PSI. Brinell hardness of 143-187. Experience on location has proven its resistance to the elements, tampering and abuse. The mechanical housing is of modern design, neat and free of rough surfaces, sharp corners or edges.

**Housing Cap:** Precision—annealed ASTM A536 ductile iron with a minimum tensile strength of 65,000 PSI.

**Display Window:** Large, clear, high-impact polycarbonate window displays the liquid crystal display (LCD) of electronic unit and provides excellent visibility. It is completely sealed for maximum element and dust protection.

**Instruction Plates:** Large, easy to read plates on the door and hours of enforcement cards in the cap contain simple operating instructions.

**Ventilation:** Strategically placed vents in dome cap ensure excellent visibility and reduce condensation both above and below mechanism level.

**Enforcement Hours Card:** To facilitate easy removal, in the event of a change in enforcement hours, a clearly visible card slot is provided under the complete protection of the housing dome.

**Coin Box Housing:** Made of ductile iron. This extremely rugged material has a minimum tensile strength of 65,000 PSI. The design has been engineered to afford increased protection against vandalism, breakage and theft. Extra enhancements include a tapered base to inhibit the removal of the meter from its mounting pole by upward force.

**Door:** The lower vault door is made of ductile iron having a minimum tensile strength of 65,000 PSI. To minimize the risk of unauthorized entry, it is precision-machined to a tolerance of 0.005 inch and designed to withstand tampering by prying or hammering with ordinary hand tools. The door's internal coupling eliminates the necessity of exposed and vulnerable hinges.



**Collection Compartment:** The collection compartment is secure against entry from the mechanism compartment. With the door open, the coin box is easily accessible. Vault is engineered for perfect alignment to ensure trouble-free coin acceptance of most coins found around the world today, without need for modification.

**Finish:** The burr-free, raw casting is conversion-coated in a five-stage power spray pre-treatment system which includes cleaning, rinsing, zinc phosphate coating, rinsing again and then sealing. The pre-treatment system is designed to remove grime and strengthens paint bonding. It also establishes a chemical coating on the surface which will slow corrosion in the case of paint damage. The conversion coated castings are then electro-statically powder coated with high quality paint. The castings are cured at predetermined temperatures for the appropriate time. Our castings have successfully passed the ASTM-BL 17 1000-hour salt spray resistance-to-corrosion test.

**Locks:** Multi-tumbler and highly pick-resistant. The security lock in the door is encased in tough ductile iron, with minimum area exposed, reducing its vulnerability to vandalism. Note: Various types of security locks are available including the option for electronic locks.

**Materials:** Full hard brass, stainless steel, aluminum stampings, Zamac and ductile iron castings and high-quality powder paint finish. All parts fabricated from steel are plated to industry standards.

**Meter Post:** Standard requirements: 5.1cm (2") inner diameter standard galvanized pipe. Small weep and air vent holes drilled to eliminate condensation and prolong pipe life. These weep holes should be located approximately 30.5cm (12") from the top and 30.5cm (12") from the bottom on opposite sides of each other. Holes should be about 1.27cm (1/2") in diameter.

**Typical Installation:** Pipe level minimum 90.2cm (35.5") above walk. Parking meter height 44.5cm (17.5"). Overall meter height 134.6cm (53") Contact your local distributor or our Customer Service Department on the best method of installation for your location.

**Warranty:** J.J. MacKay Canada Limited guarantees for a period of one year from the date of shipment, to repair or replace and meter parts or manufacture determined to be defective in materials or workmanship under normal use and service.



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