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IRONMAX HY-TL35286BK

IRONMAX 3 Tier Tool Chest User Manual

Model: HY-TL35286BK

1. Introduction

Thank you for choosing the IRONMAX 3 Tier Tool Chest. This heavy-duty industrial utility service cart is designed to provide efficient and organized storage for your tools and equipment in various environments such as garages, workshops, and repair shops. With its robust construction and thoughtful design, it offers a reliable solution for material handling and tool organization.



Figure 1.1: The IRONMAX 3 Tier Tool Chest, a versatile storage and transport solution for tools and equipment.

2. Safety Information

Please read and understand all safety instructions before assembling or operating the tool chest. Failure to follow these instructions may result in injury or damage to the product.

- **Weight Capacity:** Do not exceed the maximum weight capacity of 330 lbs (150 kg). Distribute weight evenly across all tiers to maintain stability.
- **Assembly:** Ensure all bolts, nuts, and fasteners are securely tightened before use. Periodically check and re-tighten as necessary.
- **Movement:** Always engage the wheel locks when the cart is stationary to prevent unintended movement. Be cautious when moving the cart on uneven surfaces or inclines.

- **Pinch Points:** Be aware of pinch points during assembly and when operating the drawer.
- **Children and Pets:** Keep children and pets away from the tool chest during assembly and operation.
- **Maintenance:** Keep the cart clean and free of debris. Refer to the Maintenance section for cleaning instructions.

3. Package Contents

Verify that all components are present and undamaged before beginning assembly. If any parts are missing or damaged, please contact IRONMAX customer support.

- Top Shelf with Drawer Assembly
- Middle Shelf
- Bottom Shelf
- Side Support Frames (4 pieces)
- Casters (4 pieces, 2 with locks)
- Ergonomic Handle
- Side Slot Plate
- Anti-slip Cushions (3 pieces)
- Hardware Kit (screws, nuts, washers)
- Small Wrench for Wheel Installation
- Instruction Manual (this document)

4. Assembly Instructions

Assembly is required for this product. Please follow these steps carefully. An installation manual PDF is also available for detailed diagrams: Download Installation Manual (PDF)

1. **Unpack Components:** Carefully remove all parts from the packaging and lay them out on a clean, flat surface. Verify all parts are present as per the Package Contents list.
2. **Attach Casters:** Secure the four casters to the bottom of the lowest shelf using the provided hardware. Ensure the two casters with locking mechanisms are installed on the same side for easier access. Use the small wrench provided for tightening.
3. **Assemble Side Frames:** Attach the four side support frames to the bottom shelf using the appropriate screws and nuts. Do not fully tighten yet.
4. **Install Middle Shelf:** Slide the middle shelf into the designated slots on the side frames and secure it with screws. Ensure it is level before tightening.
5. **Install Top Shelf with Drawer:** Place the top shelf assembly onto the upper section of the side frames and secure it with screws.
6. **Attach Handle:** Secure the ergonomic handle to the designated mounting points on one end of the top shelf.
7. **Attach Side Slot Plate:** Mount the side slot plate to the exterior of the top shelf, opposite the handle, using the provided hardware.
8. **Insert Anti-slip Cushions:** Place the anti-slip cushions on each tier (top, middle, and bottom) to reduce noise and prevent items from sliding.
9. **Final Tightening:** Once all components are in place, systematically tighten all screws and nuts securely. Do not overtighten.



Figure 4.1: Detailed dimensions of the assembled tool chest, including shelf and drawer sizes.



Figure 4.2: Close-up views of key features including the IRONMAX logo, smooth ball bearing drawer slides, wide ergonomic handle, non-slip cushion, and 360-degree rotation silent casters.



Figure 4.3: The convenient hanging panel design with various sized holes for organizing screwdrivers, hammers, and other small tools.

5. Operating Instructions

- **Loading the Cart:** Place tools and equipment evenly across the three tiers. Utilize the sliding drawer for smaller, frequently accessed items. The anti-slip cushions help keep items in place.
- **Using the Drawer:** The drawer features smooth ball bearing slides for easy opening and closing. Pull the handle to open and push to close.
- **Moving the Cart:** Grasp the ergonomic handle firmly. Release the wheel locks on the two locking casters. Push or pull the cart to your desired location. The 360-degree swivel casters allow for flexible movement.
- **Securing the Cart:** Once the cart is in position, engage the wheel locks on the two casters to prevent accidental rolling.
- **Utilizing Side Slots:** The side slot plate is designed with various sized holes to conveniently hold screwdrivers, hammers, and other long-handled tools, keeping them within easy reach.



Figure 5.1: The IRONMAX tool chest positioned in a workshop, demonstrating its utility in a professional setting.



Figure 5.2: A close-up of the wide ergonomic handle, designed for comfortable and easy maneuvering of the cart.

6. Maintenance

Regular maintenance will ensure the longevity and optimal performance of your IRONMAX tool chest.

- **Cleaning:** The premium powder coating makes the surface rust-resistant and easy to clean. Wipe down the cart regularly with a damp cloth and mild detergent. Avoid abrasive cleaners or solvents that could damage the finish.
- **Caster Maintenance:** Periodically check the casters for debris (e.g., hair, string) that may impede movement. Clean as necessary. Lubricate the swivel mechanisms and wheel axles with a silicone-based spray lubricant if movement becomes stiff.
- **Fastener Check:** Every few months, inspect all bolts, nuts, and screws to ensure they remain tight. Re-tighten any loose fasteners to maintain structural integrity.
- **Drawer Slides:** If the drawer slides become stiff, clean them and apply a small amount of silicone lubricant to ensure

smooth operation.

7. Troubleshooting

Problem	Possible Cause	Solution
Cart is unstable or wobbles.	Loose fasteners; uneven weight distribution; damaged frame.	Check and tighten all assembly fasteners. Redistribute weight evenly on shelves. Inspect frame for damage; contact support if damaged.
Wheels do not roll smoothly or are difficult to swivel.	Debris in casters; casters need lubrication; wheel locks engaged.	Clear any debris from casters. Apply silicone lubricant to swivel and axle points. Ensure wheel locks are disengaged.
Drawer is difficult to open or close.	Drawer slides are dirty or dry; drawer is overloaded; items obstructing movement.	Clean drawer slides and apply silicone lubricant. Reduce weight in the drawer. Ensure no items are blocking the drawer's path.
Cart capacity seems lower than stated.	Weight concentrated in one area; exceeding individual shelf capacity.	Ensure weight is distributed across all three tiers. Avoid placing excessively heavy items on a single point. The total capacity is 330 lbs.

8. Specifications

Feature	Detail
Brand	IRONMAX
Model Number	HY-TL35286BK
Product Dimensions (L x W x H)	31.5" x 16" x 31.5" (80cm x 40.6cm x 80cm)
Drawer Dimensions (L x W x H)	21" x 15" x 3" (53.3cm x 38.1cm x 7.6cm)
Material	Heavy Duty Steel (Alloy Steel Frame)
Color	Black
Number of Tiers/Shelves	3
Weight Capacity	330 lbs (150 kg)
Item Weight	37 lbs (16.8 kg)
Caster Type	360-degree Swivel (2 with locks)
Special Feature	Durable, Rust-resistant Powder Coating, Sliding Drawer, Side Tool Slots, Anti-slip Cushions
Recommended Uses	Indoor, Outdoor (Garage, Workshop, Repair Shop, Office)
Assembly Required	Yes
UPC	798470120051

9. Warranty and Support

IRONMAX is committed to providing high-quality products and customer satisfaction. While specific warranty details are not provided in this manual, please retain your proof of purchase for any warranty claims.
For product support, missing parts, or troubleshooting assistance, please contact IRONMAX customer service through the retailer where you purchased the product or visit the official IRONMAX store online:
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