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STANLEY STMT81243

Stanley 110-Piece Multi-Purpose Tool Set

Model: STMT81243

INTRODUCTION

This manual provides essential information for the safe and effective use, maintenance, and storage of your Stanley 110-Piece Multi-Purpose Tool Set, Model STMT81243. Please read this manual thoroughly before using the tools to ensure proper operation and to prevent injury or damage.



Image: The Stanley 110-Piece Multi-Purpose Tool Set neatly organized within its durable carrying case, showcasing the comprehensive collection of tools.

PRODUCT OVERVIEW AND COMPONENTS

The Stanley 110-Piece Multi-Purpose Tool Set, Model STMT81243, is engineered for durability and performance,

meeting or exceeding applicable ANSI and DIN standards. The tools feature a double nickel chromium alloy coating to reduce corrosion and an enhanced grip design for improved performance. The set's compact case ensures easy transport and organized storage, with a locking mechanism to securely retain sockets during use.

Key features include **Maxi-Drive** technology, which reduces the chance of rounding fastener corners and extends fastener life, even enabling the turning of worn or rounded fasteners. The set includes:

- **1/4 Inch Drive Components:**

- 11x Sockets (6-point): 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm
- 1x Ratchet with Quick Disconnect
- 1x Flexible Extender (150mm)
- 2x Extensions (50mm and 100mm)
- 1x Universal Joint

- **1/2 Inch Drive Components:**

- 15x Sockets (6-point): 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 27mm
- 2x Extensions (125mm and 250mm)
- 1x 3-Way Adapter
- 1x Universal Joint
- 2x Spark Plug Sockets (16mm and 21mm)
- 1x Ratchet Adapter

- **Wrenches:**

- 8x Hex Keys (Allen Wrenches)
- 11x Combination Wrenches: 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19mm

- **Screwdrivers and Bits:**

- 2x Slotted Screwdrivers: 5.5 x 75mm, 6.5 x 100mm
- 2x Phillips Screwdrivers: PH1 x 75mm, PH2 x 100mm
- 1x Ratcheting Screwdriver with Bit Adapter
- 38x Assorted Bits:
 - Slotted: 3.5 (2), 4 (2), 5.5, 6.5, 8mm
 - Square: S1, S2, S3
 - Phillips: PH0, PH1, PH2, PH3
 - Torx: T10, T15, T20, T25, T27, T30, T40
 - Pozidrive: PZ1, PZ2, PZ3
 - Tri-Wing: 1, 2, 3, 4
 - Hexagonal: 2, 3, 4, 5, 6, 7mm

- **Pliers:**

- 1x Diagonal Cutting Plier (6 inch)
- 1x Long Nose Plier (8 inch)
- 1x Groove Joint Plier (10 inch)



Image: A close-up of the diverse tool selection, highlighting the different types of pliers, ratchets, screwdrivers, and bit sets included in the kit.

110 PC MULTI TOOL SET

STANLEY

TOOL SET



- Compact Case for easy transport and storage
- Meets or exceeds applicable ANSI and DIN standards. Double nickel chromium alloy coated tip reduces corrosion
- Locking mechanism retains sockets to make your work safer and more productive
- Patented gripping designed to outperform conventional drive configuration
- Maxi-Drive : Reduces the chance of rounding fastener corners and extend fastener life enables to turn worn or rounded fasteners

INCLUDES:

- 1 Pc Diagonal Cutting plier 6"
- 1 Pc Long Nose Plier 8"
- 1 Pc Groove Joint Pliers 10"
- 2 Pc Slotted Screwdrivers: 5.5 x 75mm, 6.5 x100mm.
- 2 Pc Phillips Screwdriver: ph1 x 75mm, ph2 x100mm.
- 1 Pc 3/4" Bit Adapter Ratcheting Screwdriver.
- 40Bits – Slotted Bits: 3.5 x 2, 2 x 4, 5.5, 6.5, 8 mm.
- Square Bits: s1, s2 and s3.
- Phillips bits: ph0 x 2, ph1 x 2, ph2 x 2, ph3 x 2.
- Adaptors (2 parts).
- Torx bits: t10, t15, t20, t25, t27, t30, t40.
- Pozidriv bits: pz1, pz2, pz3.
- Tri-wing bits: 1, 2, 3, 4
- Hexagonal bits: 2, 3, 4, 5, 6, 7 mm.
- 1 Pc 3/4" Flexible Extension 100mm-1/4"(m)x1/4"(f).
- 1 Pc 3/4" Extension 50mm
- 1 Pc 3/4" Extension 100mm
- 1 Pc 3/4" Extension 125mm
- 1 Pc 3/4" Extension 250mm
- 1 Pc 3/4" 3 Way Adaptor
- 1 Pc 3/4" Universal Joint
- 1 Pc 3/4" Universal Joint
- 1 Pc 3/4" Spark Plug Sockets 16 mm
- 1 Pc 3/4" Spark Plug Sockets 21 mm
- 1 Pc 3/4" Ratchet with Quick Release Button 72t
- 1 Pc 3/4" Ratchet with Quick Release Button 72t
- Combination Wrenches: 8-15,17,18,19 mm
- 8pc hex key set: 1.5, 2, 2.5, 3, 4, 5, 5.5, 6 mm
- 3/2" 6pt Socket: 10-15, 17, 18, 19, 20-24, 27 mm
- 3/4" 6pt Socket: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
- 1 Hex Key Rack, 4 Bit Racks

SKU	Description
STMT81243	110PC MULTI TOOL SET



<https://www.youtube.com/watch?v=TyEphOxD54E>

Image: An illustrative diagram of the Stanley 110-piece tool set, emphasizing its design features and a summary of included components.

SETUP

1. **Unpacking:** Carefully remove all tools from the packaging. Inspect each tool for any signs of damage.
2. **Organization:** The tool set comes in a compact, durable carrying case designed for easy transport and storage. Ensure each tool is placed in its designated slot within the case to maintain organization and prevent loss.
3. **Familiarization:** Before first use, familiarize yourself with the different types of tools and their functions as outlined in the "Product Overview and Components" section.



Image: A user arranging tools in the open case, illustrating the practical design for tool access and storage.

OPERATING INSTRUCTIONS

General Safety Guidelines:

- Always wear appropriate personal protective equipment (PPE), such as safety glasses, when using hand tools.
- Ensure the workpiece is stable and secured before applying force with any tool.
- Never use a tool for a purpose for which it was not designed.
- Do not use damaged or worn tools. Replace them immediately.
- Keep tools clean and free of grease or oil to maintain a secure grip.

Using Sockets and Ratchets:

1. **Select the Correct Size:** Choose a socket that precisely fits the fastener head to prevent rounding.
2. **Attach to Ratchet:** Securely attach the selected socket to the ratchet. For hard-to-reach areas, use the appropriate extension or universal joint.

3. **Direction:** Set the ratchet direction for tightening or loosening using the switch on the ratchet head.
4. **Apply Force:** Apply steady, controlled force. Avoid sudden jerking motions.





Image: The two ratchets included in the set, illustrating their design for comfortable and effective use.

Using Wrenches:

1. **Combination Wrenches:** Use the open end for quick engagement and the box end for a more secure grip and higher torque.
2. **Hex Keys (Allen Wrenches):** Insert fully into the hexagonal recess of the fastener. Apply rotational force evenly.

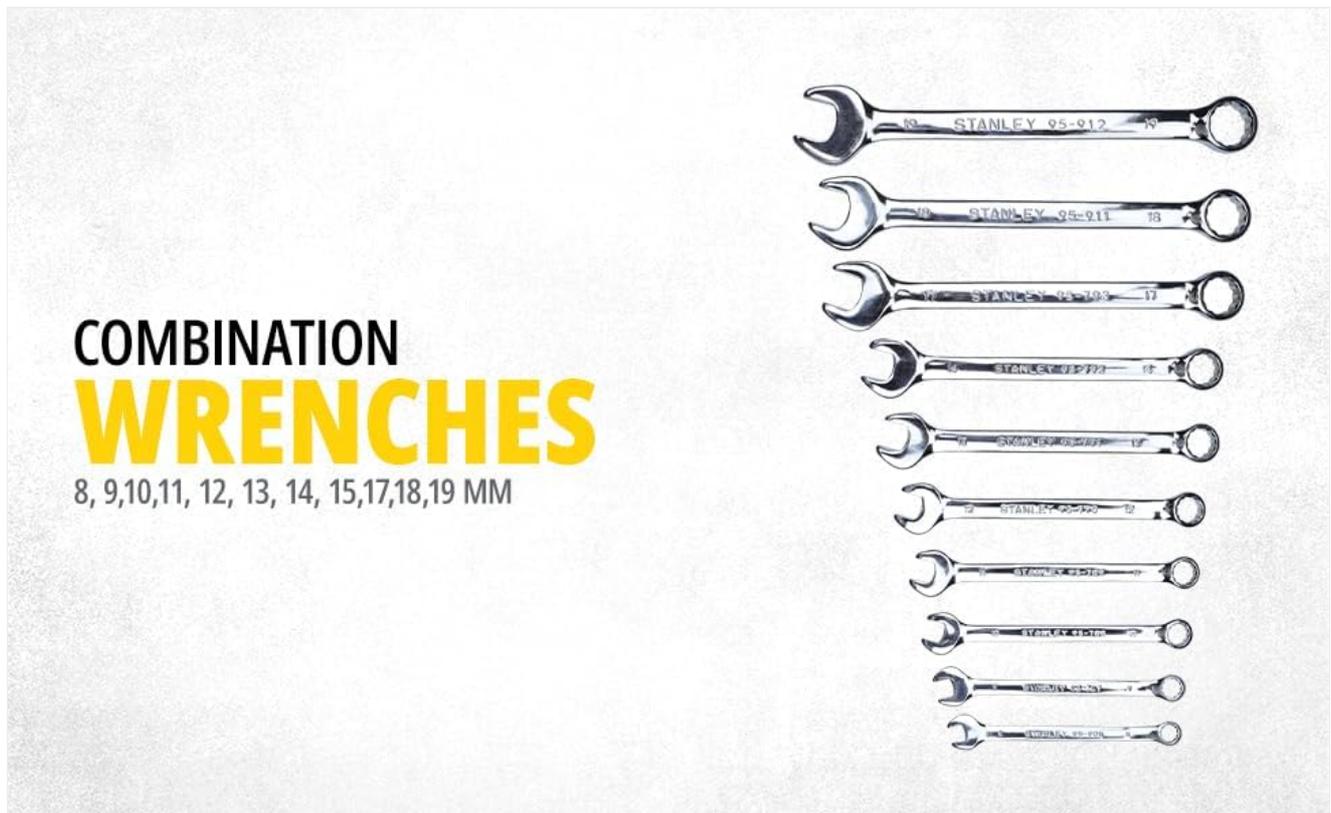


Image: The collection of combination wrenches, showing their various sizes for different applications.

Using Screwdrivers and Bits:

1. **Match Tip to Fastener:** Always select the screwdriver tip or bit that perfectly matches the screw head to prevent cam-out and damage.
2. **Ratcheting Screwdriver:** Insert the desired bit into the magnetic bit adapter. Use the ratcheting mechanism for faster driving or removal of screws.
3. **Apply Pressure:** Apply firm, downward pressure while turning to maintain engagement with the screw head.



Image: Various screwdrivers from the set, including standard and ratcheting models, ready for use.

Using Pliers:

1. **Groove Joint Pliers:** Adjust the jaw opening to fit the workpiece. Ideal for gripping irregular shapes or pipes.
2. **Long Nose Pliers:** Use for reaching into tight spaces, bending small wires, or holding small components.
3. **Diagonal Cutting Pliers:** Designed for cutting wires. Ensure the wire is within the cutting capacity of the pliers. Do not use for cutting hardened steel.



Image: The three types of pliers included in the set, demonstrating their distinct designs for various gripping and cutting tasks.

MAINTENANCE

- **Cleaning:** After each use, wipe down tools with a clean, dry cloth to remove dirt, grease, and moisture. For stubborn grime, a mild solvent can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light coat of machine oil to moving parts of ratchets and pliers to ensure smooth operation and prevent rust.
- **Storage:** Store all tools in their designated slots within the carrying case. Keep the case in a dry environment to prevent corrosion.
- **Inspection:** Regularly inspect tools for signs of wear, damage, or corrosion. Replace any compromised tools to maintain safety and performance.

TROUBLESHOOTING

Most issues with hand tools can be resolved by ensuring correct usage and maintenance. If you encounter problems:

- **Fastener Slipping/Rounding:** Ensure you are using the correct size and type of tool (socket, wrench, screwdriver bit) for the fastener. Apply firm, consistent pressure.
- **Ratchets Not Engaging:** Check the direction switch on the ratchet head. If still not engaging, the internal mechanism may be dirty or worn; clean and lubricate, or consider replacement if severely damaged.
- **Stuck or Seized Components:** Do not force tools. Apply penetrating oil if necessary and allow time for it to work. Use appropriate leverage, but avoid excessive force that could damage the tool or workpiece.

For issues not covered here, please refer to the customer support section.

SPECIFICATIONS

Feature	Detail
Model Number	STMT81243
Item Weight	15.9 ounces
Product Dimensions	16.54 x 15.75 x 15.75 inches
Material	Others (typically chrome vanadium steel for tools)
Finish	Powder Coated
Power Source	Hand Powered
Head Style	Torx (among others for bits)
Included Components	1 x tool set (110 pieces)
Batteries Required?	No

WARRANTY AND SUPPORT

Stanley is committed to providing quality tools. This product is backed by Stanley's commitment to quality. For specific warranty details, please refer to the documentation included with your purchase or contact customer support.

Customer Care Contact:

Phone

1800-203-0644

Mon-Sat: 09:00 AM - 06:00 PM IST (Except Government Holidays)

Email

SBD-CUSTOMERCOMMUNICATIONS@SBDINC.COM

WhatsApp

[+91 96060 55835](https://wa.me/919606055835)

Scan the code to contact us



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WARRANTY



ORIGINAL PARTS



INFORMATION



OMNICHANNEL SUPPORT

CUSTOMER CARE CONTACT

PHONE:

1800-203-0644

EMAIL:

SBD-CUSTOMER COMMUNICATIONS @SBDINC.COM

WHATSAPP:



+91 96060 55835

SCAN THE CODE TO CONTACT US

MON-SAT

09:00 AM - 06:00 PM IST EXCEPT GOVERNMENT HOLIDAYS

NUMBER OF AUTHORIZED SERVICE CENTER : 500+

Image: Stanley Total Care information, detailing various support services and contact methods.

Related Documents - STMT81243



[STANLEY Product Warranty Information - Guarantees and Policies](#)

Comprehensive warranty details for STANLEY tools including Flashlights, Hand Tools, Lasers, Mechanics Tools, Stud Sensors, and Tape Rules. Learn about limited and lifetime warranties, exclusions, and return policies.

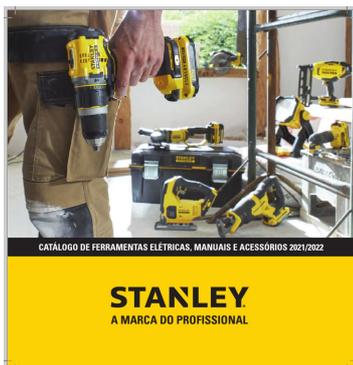
 <p>STANLEY SRP 4960 COMPACTION REVERSIBLE PLATE PARTS MANUAL</p>	<p>Stanley SRP 4960 Compaction Reversible Plate Parts Manual</p> <p>Comprehensive parts manual for the Stanley SRP 4960 Compaction Reversible Plate, detailing all components, part numbers, quantities, and assembly kits. Includes technical specifications, adhesive torque conversions, and maintenance information.</p>
 <p>STANLEY CO25 HYDRAULIC CUT-OFF SAW USER MANUAL</p>	<p>STANLEY CO25 Hydraulic Cut-Off Saw User Manual</p> <p>This user manual provides comprehensive safety, operation, and maintenance instructions for the STANLEY CO25 Hydraulic Cut-Off Saw. It includes specifications, troubleshooting, and parts information.</p>
 <p>STANLEY CH18 HYDRAULIC CHIPPING HAMMER SAFETY, OPERATION AND MAINTENANCE USER MANUAL</p>	<p>Stanley CH18 Hydraulic Chipping Hammer User Manual: Safety, Operation, and Maintenance</p> <p>Comprehensive user manual for the Stanley CH18 Hydraulic Chipping Hammer, covering safety precautions, operating procedures, maintenance guidelines, troubleshooting, and specifications. Essential reading for safe and effective use.</p>
 <p>STANLEY CH18 HYDRAULIC CHIPPING HAMMER USER MANUAL</p>	<p>Stanley CH18 Hydraulic Chipping Hammer User Manual: Safety, Operation, Maintenance</p> <p>Comprehensive user manual for the Stanley CH18 Hydraulic Chipping Hammer. Covers detailed safety precautions, operating procedures, maintenance guidelines, troubleshooting, specifications, and parts lists. Essential guide for safe and effective use of this professional hydraulic tool.</p>
 <p>STANLEY STANLEY SXWT-FT585 FOLDING HAND TRUCK USER MANUAL</p>	<p>Stanley SXWT-FT585 Folding Hand Truck: User Manual and Specifications</p> <p>Comprehensive user manual and specifications for the Stanley SXWT-FT585 Folding Hand Truck, detailing its features, folding instructions, safety guidelines, and warranty information. This guide helps users operate and maintain the product safely and effectively.</p>



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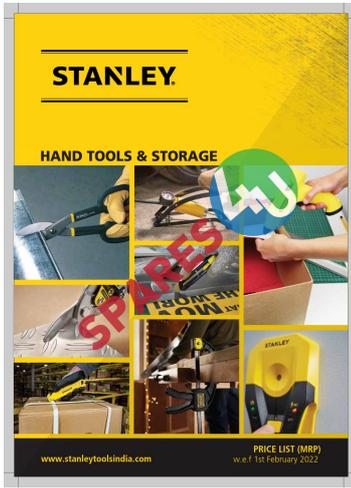
www.stanleytoolsindia.com PRICE LIST MRP w.e.f. 1st October 2020 1843 1906 1910 1921 1896 ... e Spanner 1 Pc 1/4 Drive Extension Bar: 2 50mm 110PC MULTI TOOL SET HSN CODE: 82041120 PART No. **STMT81243** DESCRIPTION 110PC MULTI TOOL SET 1 PC Diagonal Cutting Plier 6 1 PC Long Nose Plier 8 ... lang:i-klngon score:12 filesize: 8.42 M page_count: 52 document date: 2021-01-22



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