

[Manuals+](#)

[Q & A](#) | [Deep Search](#) | [Upload](#)

Simplex SJ156

Simplex SJ156 Screw Jack User Manual

Model: SJ156 | Brand: Simplex

PRODUCT OVERVIEW

The Simplex SJ156 Mechanical Screw Jack is a robust and reliable tool designed for various heavy-duty applications. Its sturdy and simple design makes it suitable for supporting machinery, construction tasks, structural moving, and general maintenance. Key features include a four-way head assembly for precise leveling and a serrated steel cap that floats 9 degrees on a chrome-moly ball, reducing friction and assisting in centering the load. This jack is engineered to support loads without creep-down and incorporates a welded stop to prevent accidental over-extension of the screw.





Figure 1: Simplex SJ156 Steel and Iron Screw Jack. This image shows the jack's green base, silver collar, and black serrated top, designed for stable load support.

SAFETY INFORMATION

Always prioritize safety when operating the Simplex SJ156 Screw Jack. Failure to follow safety guidelines can result in serious injury or property damage.

- Ensure the jack is placed on a stable, level, and firm surface capable of supporting the load.
- Never exceed the jack's rated load capacity of 12 tons (24,000 pounds).
- Always center the load on the jack's cap to prevent slippage.
- Use appropriate cribbing or safety stands to support the load once it is lifted. Do not rely solely on the jack for prolonged support.
- Keep hands and feet clear of moving parts during operation.
- Inspect the jack for any damage or wear before each use. Do not use if damaged.
- Wear appropriate personal protective equipment (PPE), such as safety gloves and eye protection.

SETUP

1. **Unpacking:** Carefully remove the SJ156 screw jack from its packaging. Inspect for any visible shipping damage.
2. **Placement:** Position the jack on a flat, stable, and solid surface directly beneath the object to be lifted or supported. Ensure the ground can withstand the concentrated load.
3. **Load Centering:** Place the object's lifting point directly onto the center of the jack's serrated steel cap. The floating cap is designed to assist in centering the load.
4. **Lever Bar Insertion:** Insert a suitable lever bar (not included) into one of the four holes in the jack's head assembly. Choose the position that provides the best leverage and clearance for your application.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your Simplex SJ156 Screw Jack:

1. **Lifting the Load:** With the lever bar inserted, rotate the head assembly clockwise to raise the screw and lift the load. Apply steady, controlled force.
2. **Lowering the Load:** To lower the load, rotate the head assembly counter-clockwise. Lower the load slowly and in a controlled manner.
3. **Load Support:** For prolonged support, always use additional safety stands or cribbing once the desired height is achieved. The jack is designed to hold the load without creep-down, but secondary support is crucial for safety.
4. **Over-extension Prevention:** The jack includes a welded stop to prevent accidental over-extension of the screw. Do not attempt to force the screw beyond this stop.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your SJ156 Screw Jack:

- **Cleaning:** After each use, clean the jack to remove dirt, debris, and moisture.
- **Lubrication:** Periodically apply a light coat of grease or oil to the screw threads and the floating cap mechanism to ensure smooth operation and prevent corrosion.
- **Inspection:** Regularly inspect the jack for signs of wear, damage, or deformation, especially on the screw threads, head assembly, and base. Check for any cracks, bends, or excessive play.
- **Storage:** Store the jack in a clean, dry environment when not in use to prevent rust and damage.
- **Repairs:** Do not attempt to repair damaged components yourself. Contact qualified service personnel or Simplex for repairs.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack is difficult to operate or turn.	Lack of lubrication on screw threads; dirt or debris in mechanism.	Clean the screw threads and apply lubricant. Remove any visible debris.
Jack does not hold load or creeps down.	Exceeding load capacity; internal damage; worn components.	Ensure load is within 12-ton capacity. Discontinue use and have the jack inspected by a professional.
Unstable lifting.	Uneven surface; load not centered; damaged jack base.	Relocate jack to a firm, level surface. Re-center the load. Inspect jack for damage.

SPECIFICATIONS

Attribute	Value
Model Number	SJ156
Brand	Simplex
Load Capacity	12 Tons (24,000 Pounds)
Minimum Height	3.75 Inches
Dimensions (L x W x H)	11 x 5 x 4 inches
Item Weight	10 Pounds
Color	Green
UPC	812761021541
Manufacturer	Simplex

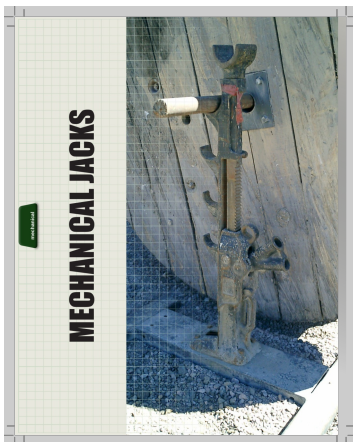
WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service for your Simplex SJ156 Screw Jack, please contact Simplex directly. Refer to the manufacturer's official website or product documentation for the most current contact information and warranty terms.

Note: This manual provides general guidelines. Always refer to the specific instructions provided by the manufacturer for detailed safety and operational procedures.

© 2024 Simplex. All rights reserved.

Documents - Simplex – SJ156

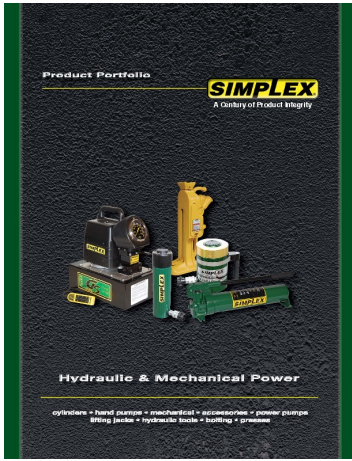


[\[pdf\]](#) Warranty Catalog

MECHANICAL JACKS Simplex head assemblies are designed for roof support in mines and other areas where ceiling heights vary greatly Use your own pipe to custom build a support SIMPLEX SLB36 Catalog externalassets unilogcorp ASSETS DOCUMENTS ITEMS EN |||

124 mechanical MECHANICAL JACKS Multiple-toothed pawls provide greater contact with rack bar MEC ... o page 146 for additional details. * Lever Bars Sold Separately Screw Jack Model Lever Bar Model **SJ156** SLB24 SJ158 SLB24 SJ1512 SLB24 SJ208 SLB35 SJ2010 SLB35 SJ2012 SLB35 SJ258 SLB42 ...

lang:en score:19 filesize: 12.03 M page_count: 23 document date: 2013-06-10



[\[pdf\]](#) Brochure

17 030000516 707 Simplex PP Brochure indd jean herriges Preferred Portfolio pacificoists au 2021 04 |||
||| A Century of Product Integrity STEEL CYLINDERS Simplex Steel Cylinders Built for Rugged Industrial/
Construction Use All Simplex cylinders meet ANSI/ASME B30.1 SAFETY STANDARDS. Stop rings,
plated pistons and heavy duty construction provide

A Century of Product Integrity STEEL CYLINDERS Simplex Steel Cylinders Built for
Rugged Industri ... ng of lever bar 9 tilt saddle assists in centering load point Model
Number Load Capacity tons **SJ156** 12 SJ158 12 SJ1512 12 SJ208 20 SJ2010 20
SJ2012 20 SJ258 24 SJ2512 24 SJ2518 ...

lang:en score:16 filesize: 2.85 M page_count: 16 document date: 2021-04-16