



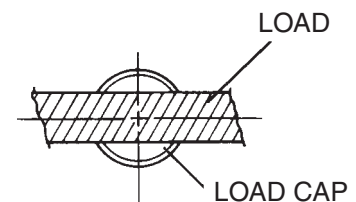
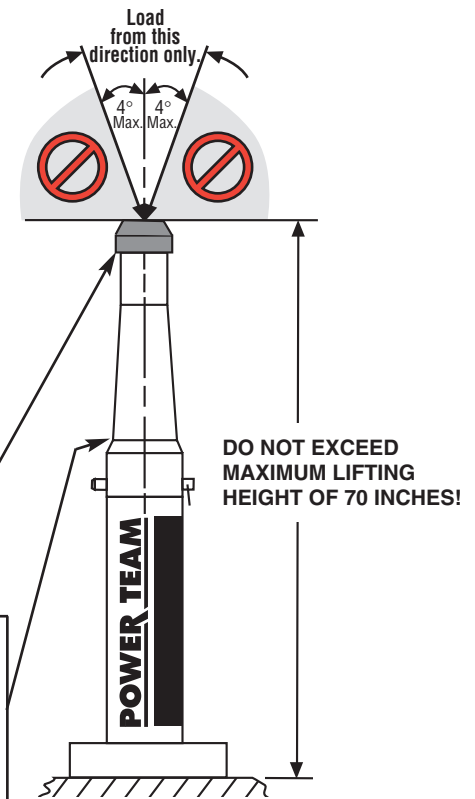
EXTENSIONS AND CRIBBING BLOCK SETS

SAFETY PRECAUTIONS



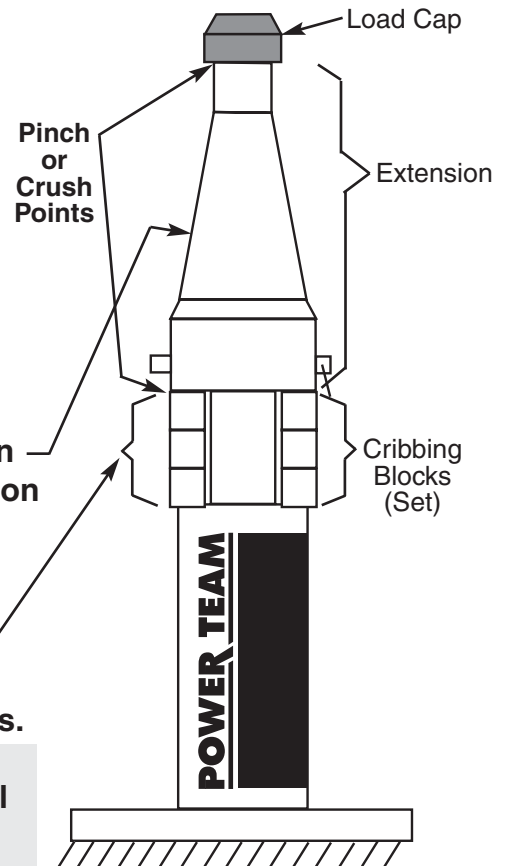
WARNING: To help prevent personal injury,

- Read all instructions and decals carefully.
- Side load can damage the jack or cause failure of the joint connecting the bases or extensions resulting in loss of the load and possible personal injury.
- Align load and jack so that the force is straight and in line with the load and so that the movement of the load does not cause instability.
- Do not drive or push the load off the jack. Lower jack and remove before moving the load.
- Use only one of the shortest extensions (black in color and also referred to as load caps) at a time. Never stack them!
- Always place the tallest extension on the bottom and the shortest on the top when stacking extensions.
- Always pin the first extension (the tallest one used) to the piston rod to prevent accidental disengagement of the connection.
- Completely cover the top or load cap with a secure and properly supported load lifting point. Do not lift on a rounded or uneven surface. Lift by pushing against a flat surface parallel to the cylinder base within 4°. Do not exceed 4° from centerline with load line of action (see illustration). Do not lift with jack more than 4° from vertical.
- This unit must be blocked or otherwise secured from accidental movement during the unit operation.
- Center the load evenly on the jack and on the extension/Cribbing Blocks.
- Do not exceed maximum lifting height of 70" (1.8 m).



SAFETY PRECAUTIONS - CONTINUED

- Never place your hands or other body parts under the load being lifted. Always use the handle provided. Avoid pinch points and crush points.
- If Cribbing Blocks are used they must be installed properly. Use the handle, align openings, and seat fully into recessed diameters before lowering piston extension adapter onto Cribbing Block(s).
- Follow the lifted load with supplemental cribbing or blocks.
- Use only with approved accessories.
- Use only the approved extension assembly fully engaged on the end of the piston rod. Insert pin through bottom extension and piston to prevent withdrawal of the piston from the extension and potential loss of the load.
- Cribbing Blocks must be fully seated and evenly loaded by the extension.
- Do not use more Cribbing Blocks than those provided with one complete set. Use only one set. Do not add components.
- Do not lower the load directly onto the Cribbing Blocks or damage to the machined surfaces may occur. Supplemental or additional cribbing or blocks alongside the jack is/are recommended.
- Use each Cribbing Block set only with the cylinder for which it was designed.
- Check that the counterbalance valve is functioning properly before using the jack. Read and understand the operating instructions.
- When extending double-acting jacks, hoses must be connected to both ports or port circuits, the retract port **MUST BE UNRESTRICTED**. If one of the two ports is restricted or disconnected, pressure will build and the cylinder, hose or coupler can burst.
- Use a jack with sufficient capacity to lift the load.
- The total load, lifted or supported by a jack, must not exceed the rated capacity of the jack.
- Never support a load hydraulically.
- All loads must be supported mechanically.
- Properly support the jack and jack bases.
- Use a friction material under base and between jack and load.
- Lift only dead weight loads.
- Stay clear of lifted loads.
- Do not work on or near unsecured loads. Do not allow personnel, or moving loads on an unsecured load.
- Do not use jack with bent or damaged coupler(s) or port threads.
- Use only approved hydraulic oil.
- Supply pump must have sufficient oil to fully stroke jack(s).
- Read and understand the operating instructions and A.N.S.I. B30.1 safety code for jacks.
- Do not use jack(s) if damaged, altered or in poor repair.
- User must insure that all safety related decals are maintained and replaced as lack of readability becomes evident.



Note: Shaded areas reflect last revision(s) made to this form.

OPERATING INSTRUCTIONS

WHEN LIFTING THE LOAD

1. Insure that the jack base is supported adequately to support the lifting load.
2. Extend the load to the desired position or slightly above it. Stay out from under the load. Avoid all pinch and crush points. **NOTE: If extensions are used, always place the tallest extension on the bottom and pin it to the piston. Do not exceed the 70" (1.8 m) maximum height or 4° offset at any time.**
3. Stop pump and verify that the load is held at position securely, is stable, and is not moving.
4. Using the handle(s), add as many cribbing blocks as possible in the space between the cylinder body and the extension assembly as shown. Be certain that the blocks are completely seated and aligned.
5. SLOWLY lower the extension onto the Cribbing Blocks until securely held. If no extension is used, integral jack cribbing blocks should not be used. Supplemental blocking or cribbing alongside the jack is recommended.
6. Verify that the load is stable and secure.



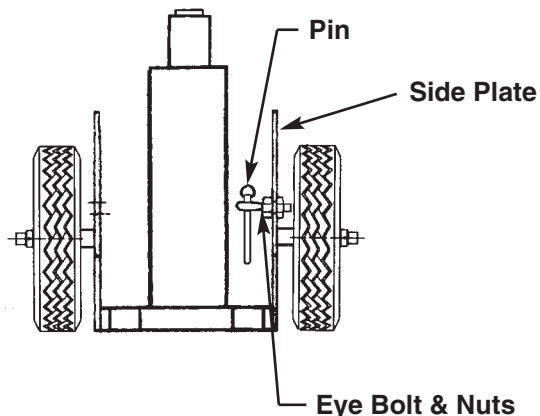
WARNING: DO NOT CAUSE INSTABILITY OF THE JACK OR FORCE IT OFF ITS SECURE POSITION BY APPLYING EXTERNAL LOADS OR FORCES.

TO LOWER THE LOAD

1. Raise the load 1/2" (12 mm) to 1" (25 mm).
2. Stop the pump and verify that the load is held at position securely, is stable, and is not moving.
3. Using the handle(s), remove all cribbing blocks. Stay out from under the load. Avoid all pinch and crush points.
4. SLOWLY lower the load until the cylinder is free, unloaded, and able to be removed.

INSTALLING THE PIN HOLDER

1. To hold the pin (used for pinning the first [longest] extension to the piston), install the eyebolt and nuts into either side plate. See illustration at right.



SPECIFICATIONS

EXTENSIONS (PL60 EXT)

Extension Length In. (cm)	Part Number	Extension Weight Lbs. (kg)
1 (2.54)	351931	4.9 (2.2)
2 (5.08)	351927	8.9 (4.0)
3 (7.62)	351928	14.1 (6.4)
4 (10.16)	351929	19.1 (8.7)
5 (12.7)	66053	20.9 (9.5)
10 (25.4)	66054	30.4 (13.8)
20 (50.8)	66055	48.6 (22)

CRIBBING BLOCKS (CBS60)

No. Included In Set	(1) 59279 in (cm) (4) 59272 in (cm)	Lbs. (kg)
Height, EA in (cm)	351954 = 1.5" (3.8) 351953 = 3" (7.6)	3.53 (1.6) 6.6 (2.99)
Total Stacked Ht. in (cm)	13.5" (34)	N/A

Note: Shaded areas reflect last revision(s) made to this form.

Sheet No. 2 of 2

Rev. 2 Date: 28 Feb. 2000