

# BUCKINGHAM

STRUCTURAL MOVING EQUIPMENT

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## OPERATOR'S MANUAL for the 10-Ton Buckingham JACKING/SHORING POST

- *Uses and Description*
- *Setup and Operation Tips*
- *Instructions for Safe Usage*
- *Care and Maintenance*

The Jacking/Shoring Post is NOT a stand-alone unit. It will require additional means to ensure that the Load is stable. The Load and the Jacking/Shoring Posts will fall over if not properly secured with additional crib piles, bracing, and/or shoring towers.

**Jacking/Shoring Posts are NOT stand-alone units.**

**CAUTION  
DANGER**



PATENT PENDING  
U.S. Patent Applica-  
tion No. 13/316,965

**WARNING:** Due to the dangers inherent in the structural moving industry, any equipment sold or manufactured by Buckingham Structural Moving Equipment LLC must be used ONLY by fully qualified and experienced operators.

# Introducing the Buckingham Jacking/Shoring Post...



Above, these Jacking/Shoring Posts in an interior room support the ceiling for crib piles to be built above it up to the roof.

PAT. PENDING; U.S. Patent Application No. 13/316,965

**SAFER...** Less risk of injury to workers or damage to job. Unlike old wooden posts, Buckingham Jacking/Shoring Posts can be clamped, lagged, or welded to any overhead beams they are supporting.

**Buckingham Jacking/Shoring Posts can be set up and removed quickly, saving time and money on job after job. They are used:**

- for sectional jacking and leveling
- for replacing wooden posts when supporting porch roofs and overhangs
- for shoring, when tunneling or excavating under buildings
- for stabilizing load-bearing points, saving you the time and trouble of building extra, unneeded crib piles
- as temporary supports when replacing lifting steel with permanent supports, or replacing existing support beams
- for horizontal spreading and bracing applications
- when placed at an angle, for straightening out-of-plumb walls

**\$\$\$ LABOR Saved = MONEY EARNED \$\$\$**



Above, and Below Left, Jacking/Shoring Posts provide safe temporary support for the porches and overhangs during subsequent Lifting and Transport operations.



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**The Buckingham 10-Ton Jacking / Shoring Post is Certified Lab Load Tested**

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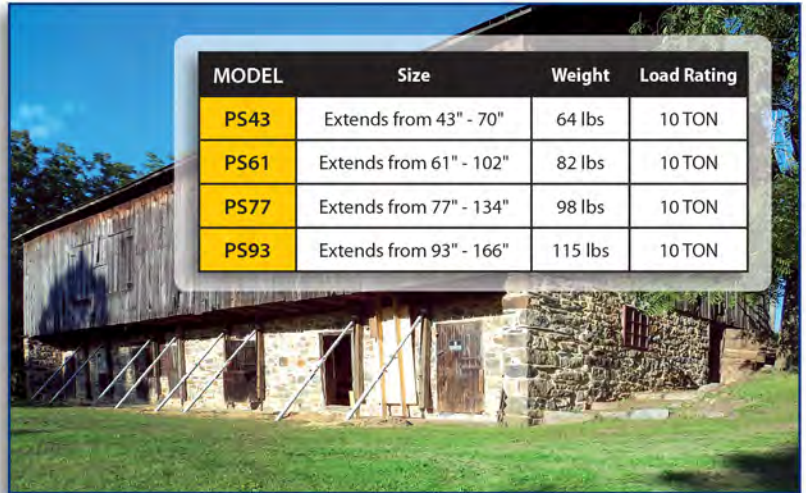


# WARNING

## To help avoid personal injury:

- Use enough Jacking/Shoring Posts to provide sufficient capacity to lift the load
- The total load lifted or supported by a Jacking/Shoring Post must never exceed the rated capacity of the Jacking/Shoring Post
- Properly support the Jacking/Shoring Post
- Use a friction material under the base and between the Jacking/Shoring Post and the load
- Center and secure the load on the Jacking/Shoring Post
- Stay clear of lifted loads
- As you lift the load follow with cribbing
- Lift only dead-weight loads
- Do not use Jacking/Shoring Posts with bent, damaged, rusted, or broken parts, or if altered, or in poor repair
- Use only approved accessories
- Use only approved hydraulic fluid
- Supply pump must have sufficient fluid to fully stroke the jack(s)
- Read and follow all instructions and the A.N.S.I. B30.1 safety code for jacks
- User must ensure that all safety-related decals are maintained and replaced as lack of readability becomes evident.

**This guide cannot cover every situation, so always do the job with SAFETY FIRST.**



In only two days, three men pushed this badly-leaning barn wall back to plumb. Each man had a Hand Pump Jack Cylinders Kit, and went from one Jacking/Shoring Post to the next until the wall was straight.



Left, Jacking/Shoring Posts provide temporary overhang support.



Right, Jacking / Shoring Posts brace against the chains and binders for this masonry garage move.

PATENT PENDING; U.S. Patent Application No. 13/316,965

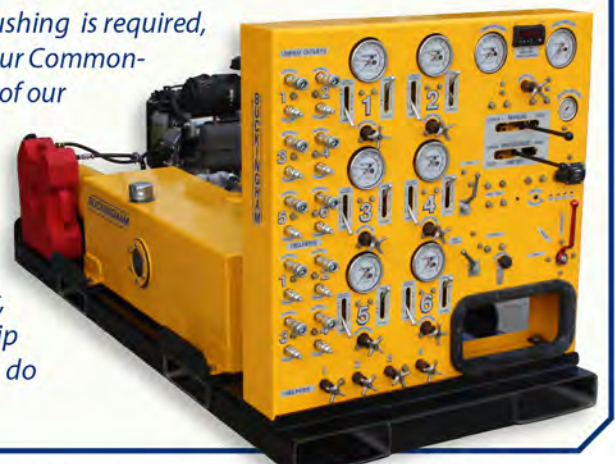
## Two valuable accessories for efficiently coordinating your job...

### Common-Pressure Power Pack



*On jobs where extensive lifting or pushing is required, we recommend using one of our Common-Pressure Power Packs, or one of our Unified Jacking Machines. The jack cylinders in the Jacking/Shoring Posts are already tee'd together in pairs, so you can quickly zone many of them together, using jack hoses with Aeroquip Quick-Disconnect fittings, and do an easier lift or push.*

### Buckingham Unified Jacking Machine



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# How to Use the Buckingham Jacking/Shoring Post

*You will soon see that the Buckingham Jacking/Shoring Post you have purchased is a masterpiece of simplicity and efficiency. It has been rigorously field-tested in a wide variety of extreme situations, and it has*

*proven itself to be a safe and efficient piece of equipment for heavy lifting, shoring and bracing operations.*

*Follow the steps below, and you'll soon learn how to use it safely and swiftly.*

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Put a secure base under the Post, one that will be able to fully support the load.



Screw the Threaded Locking Collar all the way down, to leave room for future adjustment.

The Jacking/Shoring Post is NOT a stand-alone unit. It will require additional means to ensure that the Load is stable. The Load and the Jacking/Shoring Posts will fall over if not properly secured with additional crib piles, bracing, and/or shoring towers.

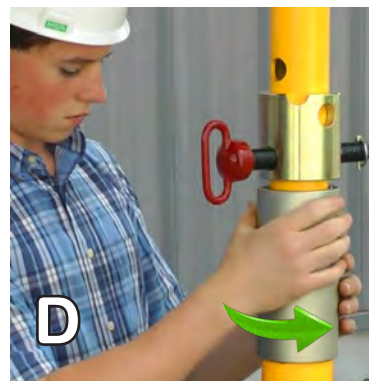
**CAUTION  
DANGER**

**Jacking /Shoring Posts are NOT stand-alone units.**

**Securely fasten the Load Plate to the Load before you let go of the Jacking/Shoring Post**

Raise the inner post by hand, as high as you can, up against the Load.

Put a Lifting Pin through the highest hole possible in the 4-Position Rotating Collar, and secure the pin with a Linchpin.



Rotate the Threaded Locking Collar to snug the Load Plate of the Jacking/Shoring Post up against the Load [see green arrow].

**Securely fasten the Load Plate to the Load. See red arrow, Above.**



Insert the other Lifting Pin through the lowest hole possible in the Jacking Slot. Secure it with a Linchpin.



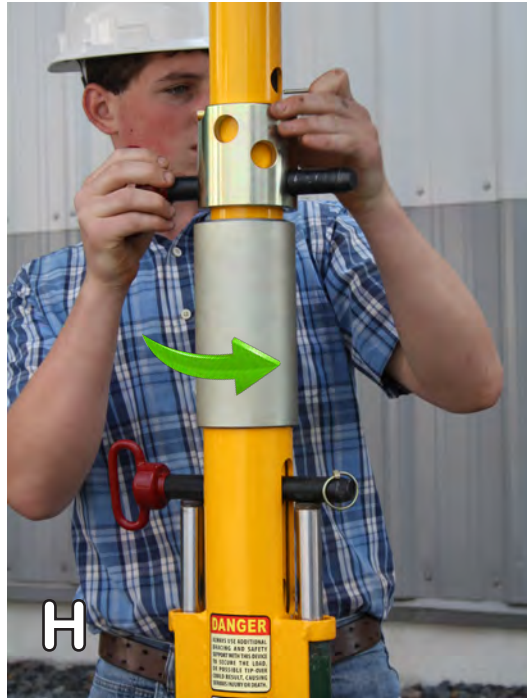
Slip both of the 5-ton Jack Cylinders, top first, into their welded Jack Pockets.



Securely fasten the Load Plate to the Load

Screw the Release Knob shut on the Hydraulic Hand Pump, and begin pumping to raise the inner Lifting Tube and the Load.

Pump until you have raised the Load to the desired height, or until the Lifting Pin reaches the top of the Jacking Slot.



Remove the Lifting Pin from the Four-Position Rotating Collar. Drop the collar down onto the Threaded Locking Collar, and pin it again. It will now be 4" lower. Secure the Lifting Pin with the Linchpin. Rotate the Threaded Locking Collar up snug against the 4-Position Rotating Collar [see green arrow]. Then release the weight from off of the Jack Cylinders.

To continue lifting the Load by 4" increments, just repeat the last steps— Photos E, G and H— until you have raised the load to the desired height.

To lower the Load, follow steps E, G and H in reverse.

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Lube the Threaded Locking Collar threads from time to time. Use a lightweight lubricating oil.



**READ and OBEY ALL WARNING LABELS on the JACKING / SHORING POSTS, and ASK US FOR REPLACEMENT LABELS IF THEY GET DAMAGED.**

**⚠ WARNING**

**To help avoid personal injury:**

- Use a sufficient number of Jacking/Shoring Posts to provide sufficient capacity to lift the load - The total load lifted or supported by a Jacking/Shoring Post must never exceed the rated capacity of the Jacking/Shoring Post
- Properly support the Jacking/Shoring Post - Use a friction material under the base and between the Jacking/Shoring Post and the load - Center and secure the load on the Jacking/Shoring Post - Stay clear of lifted loads - Follow the lifted load with cribbing - Lift only dead-weight loads - Do not use Jacking/Shoring Posts with bent, damaged, rusted, or broken parts - Use only approved accessories - Use only approved hydraulic fluid - Supply pump must have sufficient fluid to fully stroke the jack(s) - Read and follow all instructions and the ANSI/SSFI SH300-2007 safety code for jacks - Do not use Jacking/Shoring Posts if damaged, altered, or in poor repair - User must ensure that all safety-related decals are maintained and replaced as lack of readability becomes evident.

**This guide cannot cover every situation. Always do the job with SAFETY FIRST.**

**Do NOT EXCEED Maximum Load of 20,000 LBS!**

This design has been compression tested as required by ANSI/SSFI SH300-2007

**DANGER**

**ALWAYS USE ADDITIONAL BRACING AND SAFETY SUPPORT WITH THIS DEVICE TO SECURE THE LOAD, OR POSSIBLE TIP-OVER COULD RESULT, CAUSING SERIOUS INJURY OR DEATH.**

**WARNING**

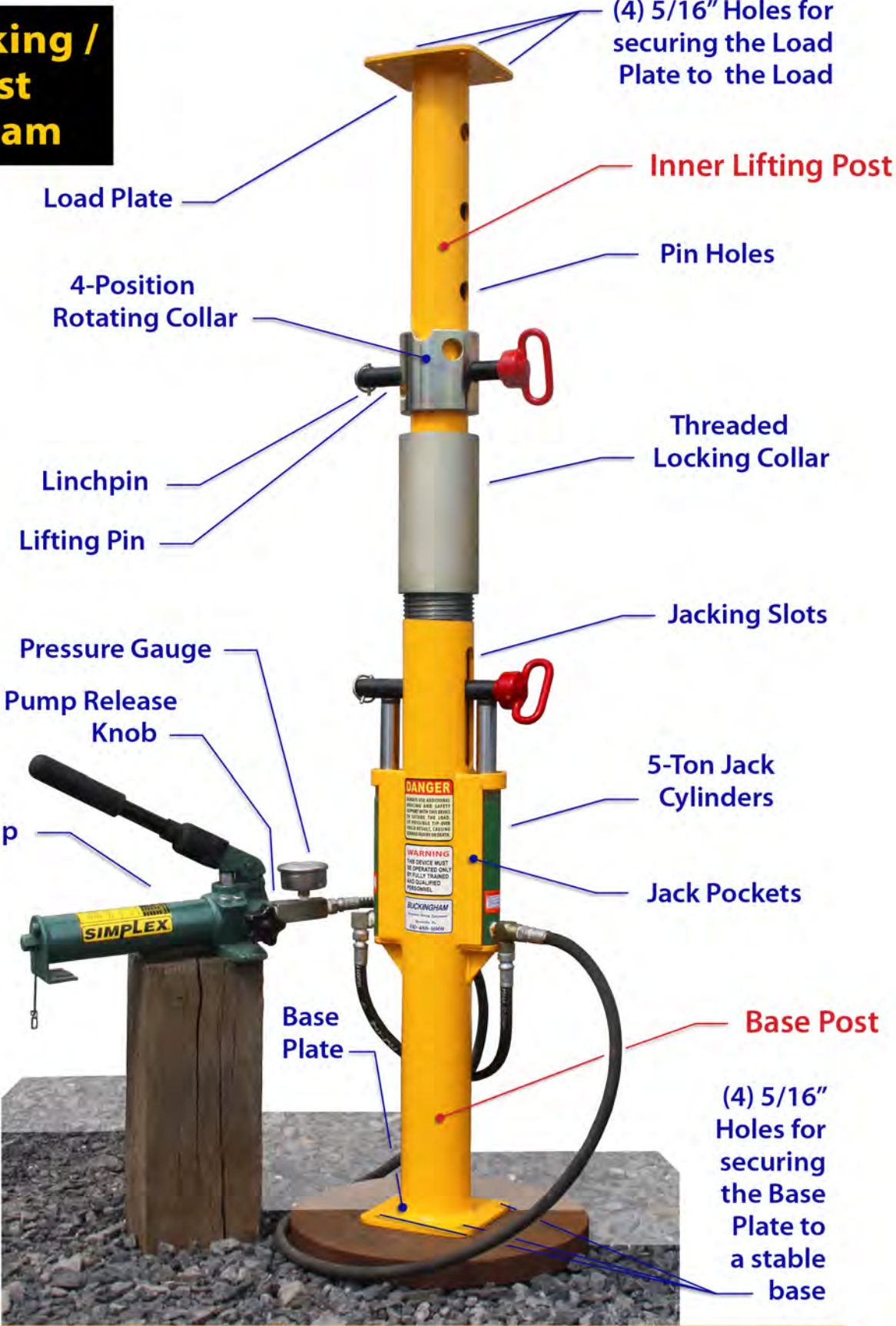
**THIS DEVICE MUST BE OPERATED ONLY BY FULLY TRAINED AND QUALIFIED PERSONNEL**

# 10-Ton Jacking / Shoring Post Parts Diagram

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**10-Ton Jacking / Shoring Post is Certified Lab Load Tested**

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This design has been compression tested per the requirements of ANSI/SSFI SH300-2007



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