

Thank you for purchasing a Sealey pulley block. This product is manufactured to a high standard of dependability and, if correctly cared for, will give you years of trouble free performance.



IMPORTANT: READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THE PULLEY BLOCK CORRECTLY, AND WITH CARE, FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.

1. SAFETY INSTRUCTIONS

- ✓ Ensure that the pulley block is in sound condition and good working order. Take action for immediate repair or replacement of damaged parts.
- ✓ Use recommended parts only. The use of unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Ensure the support for the pulley block is capable of withstanding a load of at least 1½ times the safe working load of the block.
- ✓ Keep the pulley block clean for the best and safest performance.
- ✓ Locate the pulley block in a suitable, well-lit area.
- ✓ Keep work area clean and tidy and free from unrelated materials.
- ✓ Ensure all non-essential persons keep a safe distance whilst the pulley block is in use.
- ✓ Ensure load slings are fully engaged in the load hook and that the hook safety bar is in the closed position.
- ✓ Raise and lower a load on the pulley in a smooth, controlled manner. **DO NOT** shock load the pulley block.
- by allowing the attached load to fall freely, even for very short distances.
- ☐ **DANGER:** Use the pulley block for lifting only, **NOT** for suspending the lifted load.
- ✓ Use a qualified person to lubricate and maintain the pulley block.
- X **DO NOT** operate the pulley block if it is damaged.
- X **DO NOT** allow untrained persons to operate the pulley block.
- X **DO NOT** exceed the rated capacity (working load) of the pulley block. (See Section 5).
- X **DO NOT** raise or lower the load with jerky or abrupt movements of the rope.
- X **DO NOT** attempt to lift a load if the load rope is kinked or knotted.
- X **DO NOT** try to raise a load with two, or more, pulley blocks - use a single block of adequate capacity.
- X **DO NOT** use the pulley block to drag the load across the floor. Always position the load directly below the block.
- X **DO NOT** wrap the load rope around the load - always use separate, suitable, ropes or slings of the correct capacity.
- X **DO NOT** allow anyone to stand, or pass beneath, the raised load.
- X **DO NOT** use the pulley block for purposes other than that for which it is intended.
- ✓ Store the pulley block in a dry, childproof area when not in use.

IMPORTANT: Use only with wire rope of the specified diameter.

DO NOT attempt to free a jammed rope or pulley while a load is attached. Use alternative means to support the load and unhook the rope from the load before rectifying the jam.

BEWARE! Broken rope strands or unfinished rope ends present risk of personal injury, i.e. a puncture wound.

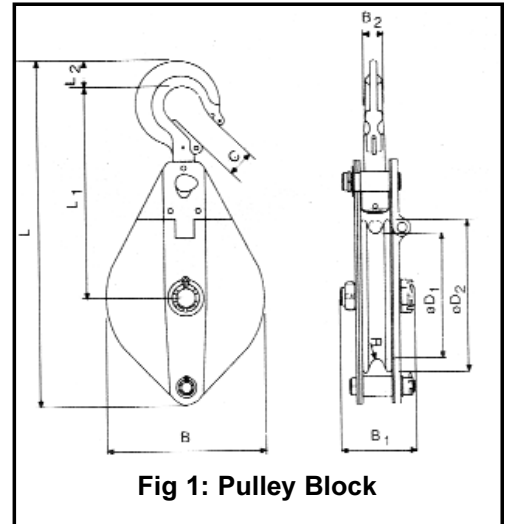


Fig 1: Pulley Block

2. SPECIFICATION

Refer to Figure 1

Working load kg	Rope diameter φ mm	Net weight kg	B	B1	B2	C	φD1	φD2	L	L1	L2	R
1000	φ7	3.3	118	76	17	23	85	105	305	200	23	4
2000	φ13	8.9	199	92	24	27	150	190	425	263	30	7
3000	φ15	15.5	230	108	28	31	180	220	496	295	40	9

* Ambient operating temperature range: -10°C to +50°C.

3. OPERATION

IMPORTANT: Before using the pulley block ensure that you have read, understood and applied the safety instructions in Section 1.

NOTE: This pulley block will normally be used in conjunction with a mechanical pulling device and should never be operated by hand. Wear safety gloves and keep hands away from moving pulley wheels.

- 3.1. Rotate the hook to release the hinge plate and place the rope on the pulley groove. Close the hinge plate and rotate the hook through 90° to lock it. **DO NOT** attempt to use the pulley block with the hinge plate open.
- 3.2. If using the pulley block for simple lifting (Section 5.A) ensure that it is suspended from a structure capable of supporting at least 1½ times the safe working load of the block.
- 3.3. Ensure that the block hook is fully engaged with the safety bar closed. Confirm that the total load does not exceed the working load of the block. See Section 5.
- 3.4. Ensure that the lifting rope is securely and safely attached to the load and that the load is directly below the block.
- 3.5. Take up the tension in the rope until the load rope is taut and not pulling at an angle.
- 3.6. Start to raise the load and ensure that it is level, with no possibility of the load tilting and/or slipping from its restraints. If necessary, lower the load and readjust the attachment point to obtain a safe, level lift.

NOTE: **DO NOT** suddenly release the pulley rope, as the pulley has no braking system attached to it.

- 3.7. Continue to raise the load to the required height in a slow, controlled manner. **DO NOT** raise the load so far that the hook comes into contact with the block.
- 3.8. Lower the load slowly and smoothly, avoiding jerky or abrupt movements.
- 3.9. If, at any time, the rope will not move in either direction do not attempt to force it but, after arranging safe support for any suspended load, have the block inspected by an Authorised Service Agent.



4. MAINTENANCE & INSPECTION

NOTE: Only fully qualified personnel should attempt to carry out maintenance, or repair, on the pulley block.

- 4.1. Keep the pulley block clean and regularly lubricate the hook shank.
- 4.2. Carry out a visual inspection every time the pulley block is used and listen for any unusual sounds during operation.
- 4.3. **WARNING! The pulley block should be disassembled, cleaned, inspected, reassembled and tested by an Authorised Service Agent annually, or more frequently if used outside, exposed to the weather.**
- 4.4. Depending upon the frequency of use and local conditions, the load rope will eventually show signs of wear. When it does, it should be replaced immediately.
- 4.5. Overloading, or incorrect hooking, may distort the hook and increase the hook opening. If this occurs replace the hook immediately.
- 4.6. Inspect the hook for flaws, cracks, distortion, wear and freedom of rotation.
- 4.7. Regularly inspect the pulley wheel for wear.

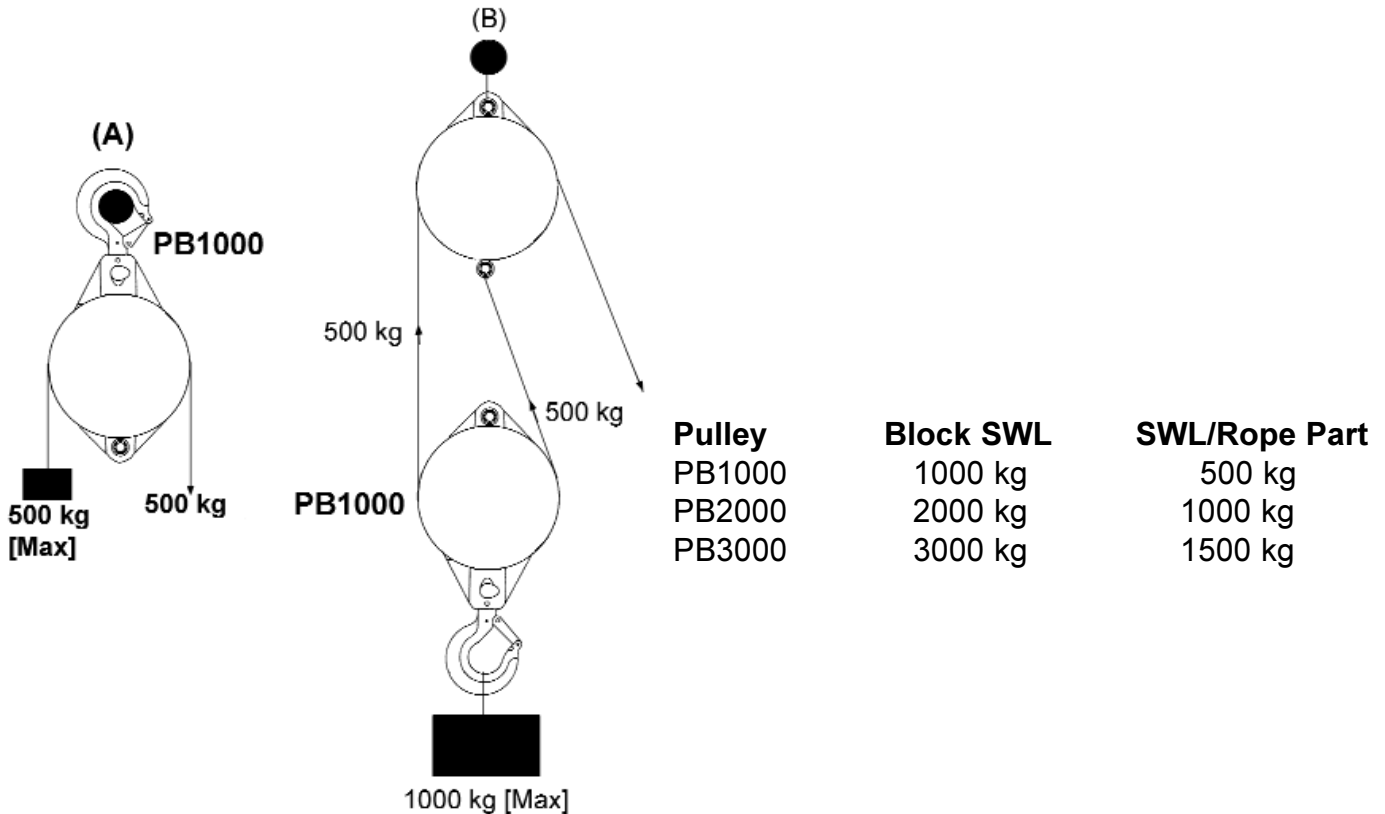
5. APPLICATIONS AND SAFE WORKING LOADS

IMPORTANT: WHEN USED AS A SIMPLE LIFTING PULLEY (A) THE MAXIMUM LOAD IS LIMITED TO THE SAFE WORKING LOAD (SWL)/ROPE PART.

WHEN USED AS PART OF A TWO-PULLEY SYSTEM (B) THE MAXIMUM LOAD IS LIMITED TO THE BLOCK SWL.

NOTE: This pulley **cannot** be used as the upper pulley in a two-pulley system.

- 5.1. Applications, based on PB1000, are shown below.



Declaration of Conformity



We, the sole importer into the UK, declare that the products listed here are in conformity with the following standards and directives. The construction files for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

PULLEY BLOCK

Models: PB1000, PB2000, PB3000

EN 13157: 2003

98/37/EC Machinery Directive

93/68/EEC Marking Directive

Signed by Mark Sweetman

8th December 2005

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

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