



INSTRUCTIONS FOR:
HYDRAULIC PIPE BENDER
 Model No: **PBS99/14**

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

⚠ IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THE PRODUCT 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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- 3 Ensure the pipe bender 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 improper parts may be dangerous and will invalidate the warranty.*
- 3 Keep bender and associated parts clean for best and safest performance.
- 3 Locate the bender in a suitable, well lit working area.
- 3 Keep working area clean, tidy and free from unrelated materials.
- 3 Use on level and solid ground, preferably concrete.
- 3 Ensure all non-essential persons keep a safe distance whilst the bender is in use.
- 3 Check that bending die is correctly seated on ram and that the roller shafts are fully engaged in the frame and pinned before operating hydraulic unit.
- 3 Use a qualified person to lubricate and maintain the hydraulic unit.
- 3 Confirm that the recommended *hydraulic oil* is used during maintenance.
- 7 **DO NOT** top up system with brake fluid. Use hydraulic oil only.
- 7 **DO NOT** operate the pipe bender if damaged.
- 7 **DO NOT** allow untrained persons to operate the bender.
- 7 **DO NOT** exceed the rated capacity of the hydraulic unit (14 tons).
- 7 **DO NOT** use the pipe bender for purposes other than that for which it is intended.
- 7 **DO NOT** alter the pressure control valve.
- 3 When not in use store pipe bender, with the hydraulic ram in the down position, in a dry, childproof area.

2. INTRODUCTION

The PBS99/14 Hydraulic Pipe Bender has eight dies covering 1/2" to 3" pipe. The hydraulic unit, which is capable of 14 ton thrust, has a spring assisted return to reduce the time lost between bending operations and also to allow the pipe bender to be used horizontally as well as vertically.

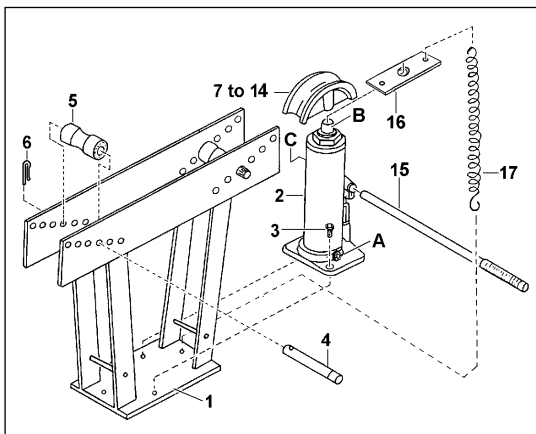
3. OPERATION & MAINTENANCE

⚠ WARNING! Ensure that you read, understand and apply Section 1 safety instructions before operating the pipe bender.

Note: Numbers/letters in brackets refer to those on the parts diagram.

- 3.1. With the hydraulic unit (2) relief valve (A) open and the ram (B) fully retracted, fit the appropriate sized die (7-14) to the ram.
- 3.2. Move pipe rollers (5) and shafts (4) to appropriate holes in frame (1) and ensure that shafts are properly fitted and secured using hitch pins (6).
- 3.3. Introduce the pipe between die (7-14) and rollers (5), positioning it so that the centre of the required bend in the pipe is over the centre of the die.
- 3.4. Close relief valve (A) and pump handle (15) until the required degree of bend is achieved.
- 3.5. Using the end of the handle (15), open the relief valve (A) and ram (B) will retract under spring (17) tension.
- 3.6. Annually, replace hydraulic oil using Sealey Hydraulic Jack Oil. With ram (B) fully down, drain and refill to bottom of filler plug hole (C).

4. PARTS LIST



Item	Part No.	Description
1	PBS99/14-01	Frame
2	PBS99/14-02	Hydraulic Unit, 14 ton
3	PBS99/14-03	Bolt, M8 x 18
4	PBS99/14-04	Roller Shaft
5	PBS99/14-05	Guide Roller
6	PBS99/14-06	Hitch Pin
7	PBS99/14-07	1/2" Bending Die
8	PBS99/14-08	3/4" Bending Die
9	PBS99/14-09	1" Bending Die
10	PBS99/14-10	1 1/4" Bending Die
11	PBS99/14-11	1 1/2" Bending Die
12	PBS99/14-12	2" Bending Die
13	PBS99/14-13	2 1/2" Bending Die
14	PBS99/14-14	3" Bending Die
15	PBS99/14-15	Jack Handle

Item	Part No.	Description
16	PBS99/14-16	Spring Plate
17	PBS99/14-17	Spring
-	PBS99/14-RK	Repair Kit

Original Date: 260400
 Issue Date: 280600
 Version No: 1
 Date Modified: 280600

Declaration of Conformity We, the sole importer into the UK, declare that the product listed below is in conformity with the following standards and directives.

HYDRAULIC PIPE BENDER
MODEL: PBS99/14
 98/37/EC Machinery Directive



The construction file for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman 28th April 2000

For Jack Sealey Ltd. Sole importer into the UK of Sealey Quality Machinery.

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 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.