The SHIPO Rope pump Model 2 is a simplified version of the Model 1. In this model a wheel cover is optional as well as a return PVC pipe. See pictures under.
DETAIL A (1:2)
Part 3 and 5

DETAIL B (1:2)
Part 3 and 5

3D VIEW

Weld

Spacer ring part 4 spotwelded at 2 sides (not at top)

PVC pipe as long as possible (without friction)

DETAIL C (1:2)

DETAIL D (1:2)

Spacer ring part 4

Cut and bend
SECTION A-A

3D VIEW

Pipe "N" ± 2.3 ± 22.2
Galvanized

+ Inside diameter 0.5-0.8 mm more than outside diameter of handle.

Part 3

<table>
<thead>
<tr>
<th>Part 1</th>
<th>Description</th>
<th>Material</th>
<th>Part Number</th>
<th>Stock</th>
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</thead>
<tbody>
<tr>
<td>10-3</td>
<td>ROPE PUMP Model 2</td>
<td>Bushing</td>
<td>10-3</td>
<td>A4</td>
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Parts List:

ISO 286-1-IT7 / -0.4

[Diagram of rod with dimensions and notes]
SECTION A-A
(2:1)

= Size depends on pump pipe
diameter inside.

**Pipe** | **A** | **B** | **C** | **D**
--- | --- | --- | --- | ---
\(\frac{3}{16}\) | 11 | 11 | 11 | 11
\(\frac{1}{8}\) | 13 | 13 | 13 | 13
\(\frac{1}{4}\) | 16 | 16 | 16 | 16

= Tolerance ± 0.2

Based on pipes \(\frac{3}{16}\)
\(D_o = 20\) \(D_i = 16\)
\(\frac{1}{8}\)
\(D_o = 25\) \(D_i = 21\)
\(\frac{1}{4}\)
\(D_o = 32\) \(D_i = 28\)

\(D_o\) Outside diameter
\(D_i\) Inside diameter
SECTION B-B
(1:2)

Guidebox has to fit in casing, min. tolerance 5 mm.

SECTION A-A
(1:2)

PVC pipe ¾” Lock

Gi pipe ¼”-70
Steel

Gi pipe ¾”-70
Steel

In case the pump pipe ¾” - ¾” return pipe = ½”
-1” return pipe = ¾”

ROPE PUMP Model 2
This guidebox is for 9".
For pump pipes of 1" and 9/4" pump pipe = return pipe are different 9/4" - 9/8".
1" - 1 1/2".

** Use small glass bottle or Galv. pipe 9/4".

SECTION A-A
(1:5)

PVC pipe 9/4" - 2.5" =
PVC pipe 1" - 1.65" =
made off PVC pipe 3"