

PORTABLE GAS PIPE CUTTING MACHINE

PICLE-1

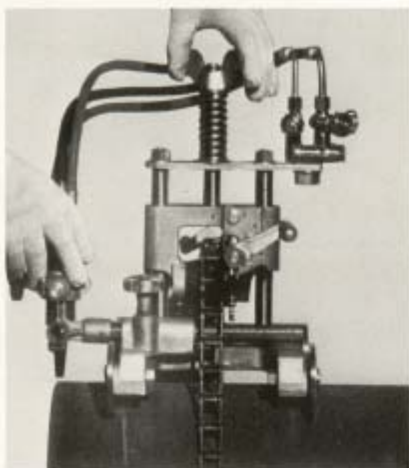


The PICLE-1 is a manual operated portable pipe cutting machine with a chain and gear drive system.

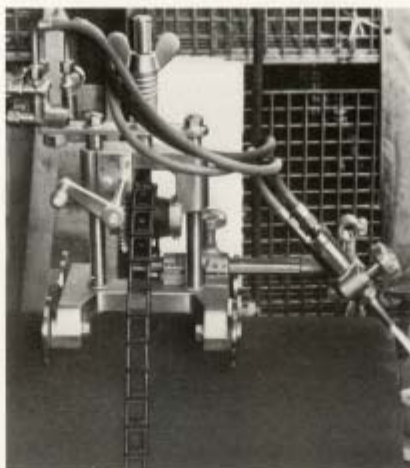
- Cutting of any size of pipe between 114~600mm ϕ (4"~24") is possible with a standard chain.
- The drive chain consists of simply designed, cleanly interlocking links. Links are easily added or removed for rapid change for pipe of different diameters.
- The drive is through a large worm and wormwheel. The low gear ratio results in extremely smooth travel.
- A graduated bevel collar ensures accurate bevel setting.
- The control valves for fuel, preheat oxygen and cutting oxygen are located away from the heat. They are conveniently placed for easy operator use.
- Weighing just 9kg (19.8lbs), this hard working unit offers low maintenance, easy operation and true portability.

KOIKE 9Y2-71A34-2

PICLE-1



Square cutting



Bevel cutting

How to adjust length of the chain

The length of the chain can be adjusted link by link, making it easy to match the chain to the circumference of the pipe.

The number of link required for a given job can be calculated as follows:

$$\text{Number of links} = \text{Pipe diameter} \times 1/10 + 13$$

Example calculation:

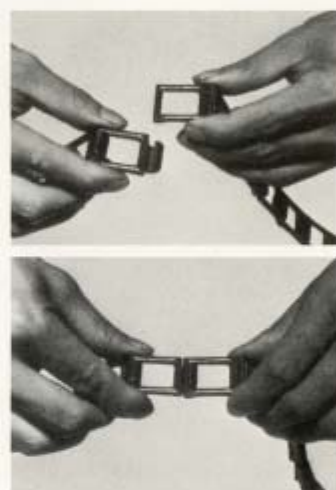
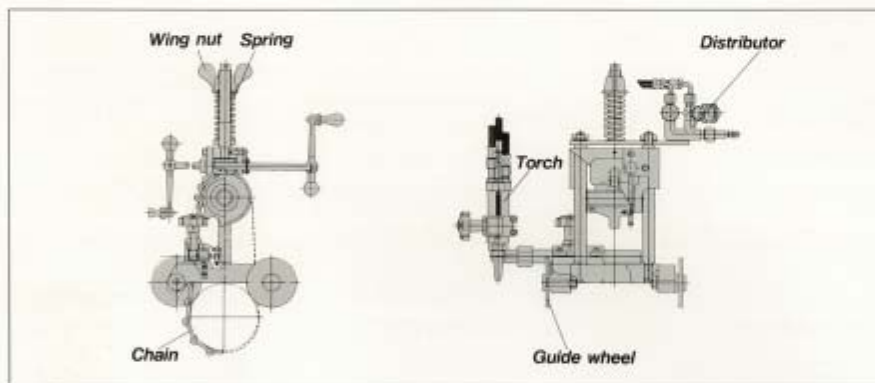
Number of links required for cutting 200mm ϕ pipe

$$(200 \times 1/10) + 13 = 33$$

The cutting machine can easily be set at any part of the pipe that is convenient.

Specifications

Effective pipe diameter	114~600mm ϕ (4"~24") by standard chain (2.4m=96") over 600mm ϕ by extra chain addition
Cutting thickness	up to 50mm (2")
Cutting shape	Square and bevel (up to 45°)
Drive method	Manual
Tip	100 series for any fuel gas



Option

- Additional chain links

KOIKE portable gas pipe cutting machine series

- PICLE-1: Manual operated machine needs no electric power
- AUTO PICLE: Automatic labor-saving machine
- AUTO PICLE-S: Automatic high-precision cutting machine with a guide rail
- PLASMA AUTO PICLE: Automatic plasma cutting machine



Total system supplier of welding and cutting

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