

PICLE-1

Portable Gas Pipe Cutting Machine



Portable Pipe Cutting Uses Dependable Chain Drive System

This manually operated portable pipe cutting machine uses a chain and gear drive system. The drive chain is comprised of durable, interlocking links that can easily be added or removed for quick change of pipe diameters.

A graduated bevel collar ensures accurate bevel setting. The control valves for fuel, preheat oxygen and cutting oxygen are positioned away from heat yet conveniently placed for easy operator use.

Features & Benefits

- **Oxy Fuel Pipe Cutter**
Bevel cut or straight cut steel pipe
- **Manually Operated**
No power needed to cut pipe; ideal for field use
- **Interlocking Chain Links**
Add or remove links as needed for various size pipes; 114-600mm (4-24in) diameters possible with standard chain
- **Lightweight**
At only 9kg (19.8 lbs) this unit is easy to carry, operate and maintain
- **Worm Gear Drive**
Low gear ratio ensures extremely smooth travel
- **Optional Snap Valve**
One-touch on/off gas valve
- **High Quality Tips**
Koike's superior design Series 100 torch tips are included to ensure fast, smooth cuts



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SPECIFICATIONS	
Effective Pipe Diameter	114-600mm (4-24in) standard chain over 600mm (24in) with additional chain
Cutting Thickness	Up to 50mm (2in)
Cutting Shape	Square and bevel (up to 45°)
Drive Method	Manual
Cutting Tip - 102 for Acetylene, 106 for LPG	Koike 100 series

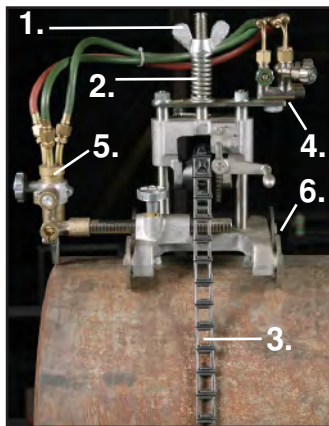
*Koike 100 series cutting tips are recommended for best performance.
Lifetime warranty on torch against a sustained flashback when using genuine Koike cutting tip.
(damaged tip and torch must be returned)*

MODELS	
Description	Part #
(1) Picle-1 machine w/ Torch	ZA415-1003
(3) Cutting tips Model 102 or 106	Size 0,1 and 2
(1) Basic 94" Chain (80 links)	ZK31101
Optional Snap Valve	SNAPVALVEI

Configuration

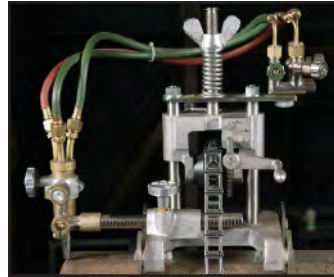
1. Wing Nut
2. Spring
3. Chain
4. Distributor
5. Torch
6. Guide Wheel

*Picle-1 shown.
All models have same configuration.*

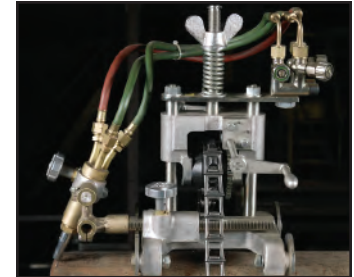


Koike Picle Series

- **Picle-1:** Manual operated machine needs no electric power
- **Auto Picle-S:** Automatic high precision cutting machine with guide rail
- **Auto Picle: S, P Type:** Automatic plasma cutting machine



Square Cutting



Bevel Cutting

Adjusting Length of 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 links required for a given job can be calculated as follows:

$$\text{Number of Links} = \text{Pipe Diameter} \times 1/10 + 13$$

(For millimeter: Pipe Diameter x .1 + 13;

Round up to next link)

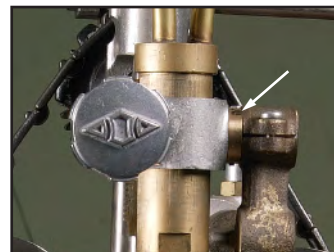
(For inch: Pipe Diameter x 2.54 + 13;

Round up to next link)

Example of Calculation:

$$\text{Number of links required for cutting } 200\text{mm}\varnothing \text{ pipe} \\ (200 \times 1/10) + 13 = 33$$

The cutting machine can easily be set at any part of the pipe that is convenient. Additional chain links are available.



Graduated Bevel Collar



Drive Chain Links



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