KOIKE ARONSON, INC. / RANSOME

IK-72T

All Position Gas Cutting

Portable, Automatic All-Position Gas Cutting
Machine Cuts Flat to Multi Plane Surfaces

The KOIKE IK-72T cuts various types of steel including channel, curved plate and angled steel members. Made of aluminum alloy, the IK-72T is lightweight and easy to use. A graduated bevel collar is provided for beveling. Simply adjust the scale for precise bevel angle.

Features & Benefits

- **All Purpose Oxy Fuel Cutting**
  Bevel cut or straight cut in or out of position using 1, 2, or 3D rail.

- **Permanent Magnet Track**
  Secures track to plate; allows track to be used vertically.

- **1D, 60 in (1,500mm) Extendable Rail**
  Aluminum rail; makes accurate straight cuts; extendable track allows cutting of longer parts.

- **2D 40 in (1,000mm) Extendable Flex Track**
  Make straight cuts and curved plane cuts; extendable track allows cutting of longer parts.

- **3D 40 in (1,000mm) Extendable Flex Track**
  Makes straight cuts and twisted plane cuts; extendable track allows cutting of longer parts.

- **Clutch Lever**
  Releases side rollers to allow quick positioning of machine on rail.

- **Innovative Use of Materials for Precision Cutting**
  Hard rubber compound used on the rails allows curving through 2 or 3 panels; flexible steel tubing is set along rail centers and prevents uneven cutting.

- **High Quality Tips**
  KOIKE’s superior design Series 100 torch tips are included to ensure fast, smooth cuts.

- **Optional Snap Valve**
  One-touch On/Off gas valve
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Minimum Curved Line Length</td>
<td>60 in (2000mm) radius 3D rail</td>
</tr>
<tr>
<td></td>
<td>98 in (2500mm) radius 2D rail</td>
</tr>
<tr>
<td>Cutting Thickness</td>
<td>½ - 2 in (5-50mm)</td>
</tr>
<tr>
<td>Cutting Speed</td>
<td>6-28 in/min (150-700mm/min)</td>
</tr>
<tr>
<td>Speed Control</td>
<td>Triac variable resistor</td>
</tr>
<tr>
<td>Drive Method</td>
<td>Rack and pinion</td>
</tr>
<tr>
<td>Bevel Angle</td>
<td>0-45°</td>
</tr>
<tr>
<td>Power Source</td>
<td>AC 120V/220V</td>
</tr>
<tr>
<td>Weight</td>
<td>8.8 lb (4.0kg)</td>
</tr>
<tr>
<td>Cutting Tips - 102 for Acetylene, 106 for LPG</td>
<td>Koike 100 series</td>
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</tbody>
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**MODELS DESCRIPTION**

**IK-72T (110V model)**
- Includes:
  - (1) IK-72T Machine Unit
  - (1) Oxy-Fuel Torch
  - (3) Cutting Tips 102 for Acetylene; 106 for LPG
  - (1) Safety-Z Coupling Set

**IK-72T (220V model)**
- Includes:
  - (1) IK-72T Machine Unit
  - (1) Oxy-Fuel Torch
  - (3) Cutting Tips 102 for Acetylene; 106 for LPG
  - (1) Safety-Z Coupling Set

**RAILS AND SNAP VALVE OPTION**

<table>
<thead>
<tr>
<th>Rail Type</th>
<th>Option</th>
<th>Code</th>
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<tbody>
<tr>
<td>1D Rail (straight plane)</td>
<td>Vertical cutting is possible</td>
<td>TBPI64025</td>
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<tr>
<td>2D Rail (double plane)</td>
<td>1D(up) + 1D(down)</td>
<td>ZS31680</td>
</tr>
<tr>
<td>3D Rail (triple plane)</td>
<td>1D(up) + 1D(down) + 1D(twist)</td>
<td>TBPI64026</td>
</tr>
<tr>
<td>Snap Valve</td>
<td>SNAPVALVEI</td>
<td></td>
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</tbody>
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**APPLICATIONS**

Cutting Precision
Koike’s IK-72T unit is ideal for ship, vessel and tank/building repair. Proper rail selections ensure the highest precision. Double plane and triple plane curved rails are the choice for most precision cutting, but may not be best for straight cutting. The straight rail is ideal for this. Triple plane curved rail used for double plane cutting may also reduce linear precision.

For maximum magnet efficiency and reduction of rail movement, be sure to clean rusty plate before cutting. Do not cut heavily painted plate or use rail with dirty magnets. Avoid operating where vibration occurs. Cutting plate less than ¼ in (6mm) is not recommended. Be sure to use properly fitted magnets on the plate.