



Pipe Saw

ASADA PROFESSIONAL TOOLS  
Plumbing Equipments

**Asada Existing Pipe Cutting Machines**

**Pipe Saw Series**



## Pipe Saw Series Cutting Machine

- Most suitable for cutting steel pipes, stainless steel pipes, plastic pipes, ductile cast iron pipes, mortar lining cast iron pipes and so on.
- Can be used in a confined space.
- Save operation time and cost.
- Various models available according to each application.



## Pipe Saw Series Cutting Machines



- A manual pipe cutter requires much time and power for operation.
- General reciprocating saws are not powerful enough for high speed cutting.
- The general reciprocating saw blade easily gets broken as it is thin and weak.
- The general saw blade does not last long.
- It is difficult to cut straight and the blade easily gets broken as the saw is not fixed with a vise.

**Asada Pipe Saw 200SP  
can solve all those problems!**



## Pipe Saw 200SP

**Cutting Capacity : 1/2~8"**

**\* Stainless steel : 8"(thickness ~3mm)**

- Good for cutting existing pipes such as steel pipes, stainless steel pipes, plastic pipes, etc.
- Ideal for working at confined spaces like ceiling.
- Light weight and compact for easy transportation.
- Double insulated motor and overload protection system.
- Saw is fixed firmly to pipe during operation preserving blade for long life.



● Built-in speed controller enables to cut stainless steel pipes and plastic pipes.

● Thick and strong high quality special blade for long service life.





## Pipe Saw 200SP Main Features



- ★ Powerful 1500w motor.
- ★ Built-in controller maintains constant stroke speed under operational load



## Pipe Saw 200SP

### Specifications

Cutting Capacity	Steel pipe : 1/2~8" Stainless steel pipe : 1/2~4"(thickness : 4mm or less) Stainless steel pipe : 1/2~8"(thickness : 3mm or less)
Motor	1,500W 50/60Hz. Voltage made to order
Dimensions	L : 480×W : 92×H : 93mm
Weight	Main body : 3.9kg / Vise : 1.2kg
Safety system	Double insulation / Overload Protection
Standard Accessories	Super HSS Blade 200×8TPI / 270×8TPI×1 each, Chain Vise, Wrench, Plastic case



#### Blades for Pipe Saw

#### Pipe Saw Blade

*Special blades for ASADA pipe saw series !!*

Item		Code No.	Quantity	Cutting Capacity
Blade for Pipe Saw 165S Pipe Saw 200SP	140×8 TPI	61210	5	~2"
	200×8 TPI	61305	5	~4"
	200×6/8 TPI	61327	5	~4"
	290×6/8 TPI	61337	5	~6"
	320×6/8 TPI	61471	5	~8"

※ Also available for Pipe Saw 150.

#### Blade Pipe Saw 165S・200SP

Usage : Steel pipe, Ductile iron pipe, Vinyl chloride pipe, Angle steel



Blade for Pipe Saw 165S Pipe Saw 200SP (※ Super HSS)	140×14 TPI	61369	5	~2"
	140×6 TPI	61370	5	~2"
	200×8 TPI	61371	5	~4"
	200×6 TPI	61372	5	~4"
	270×6 TPI	61458	5	~6"
	270×8 TPI	61459	5	~6"

※ Super HSS includes cobalt. Also available for Pipe Saw 150.

#### Blade for Pipe Saw 165S・200SP (Super HSS)

Usage : Stainless Steel pipe, Steel pipe, Ductile iron pipe, and Vinyl chloride pipe



## Pipe Saw Series Cutting Machines



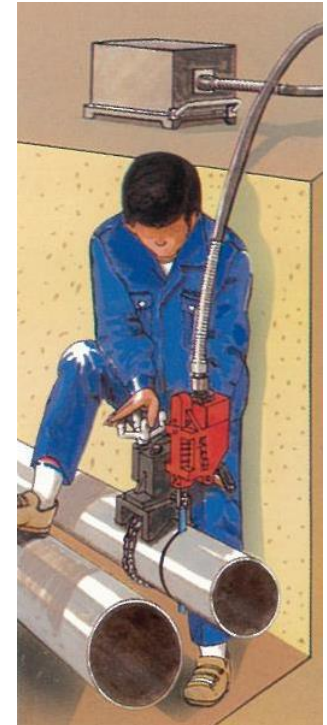
- Require much power and time to cut a large diameter pipe by hand.



- Require a large space to install the cutting machine.
- Take much time for installation.



- Pipe Saw body can be separated from the vise.
- Easy to install.
- Can be used in a confined space even if an obstacle exists in the near distance.
- No need to dig a large hole for cutting an undergrounded pipe.
- Save huge time and cost.





## Pipe Saw 380SP

Cutting Capacity : 2~12" (~18" optional)

- Most suitable for cutting existing pipes such as ductile cast iron pipes, steel pipes, mortar lining cast iron pipes and so on.
- Ultra-light & compact! Weighs only 19kg.
- Built-in speed controller enables to cut stainless steel pipes and plastic pipes.
- Asada's unique oblique cut protection system for accurate cutting.
- Double insulated motor and overload protection system.



- Optional Angle Vise Set for cutting plastic pipes at an angle (0~30° ) up to 320mm.





# Asada Pipe Saw



## Pipe Saw 380SP

### SPEED CONTROLLER



By adjusting blade speed, also applicable to Stainless steel and Plastic pipes .

### GREATER SAFETY

SLOW SPEED START FUNCTION, DOUBLE INSULATED MOTOR and OVER PROTECTION SYSTEM assure safety work.

### EASY CUTTING



Just turn handle of vise. Rack & pinion system enables cutting with less physical power.

#### Angle vise set

Vise set for cutting plastic pipes at the angle of 0~30° up to 320mm.



Code No. **PS337**

#### Vise set up attachment

Vise set up attachment for cutting vertical pipes.



Code No. **PS350**

Blade for plastic pipe 640×8 TPI  
Quantity : 5

Code No. **70644**



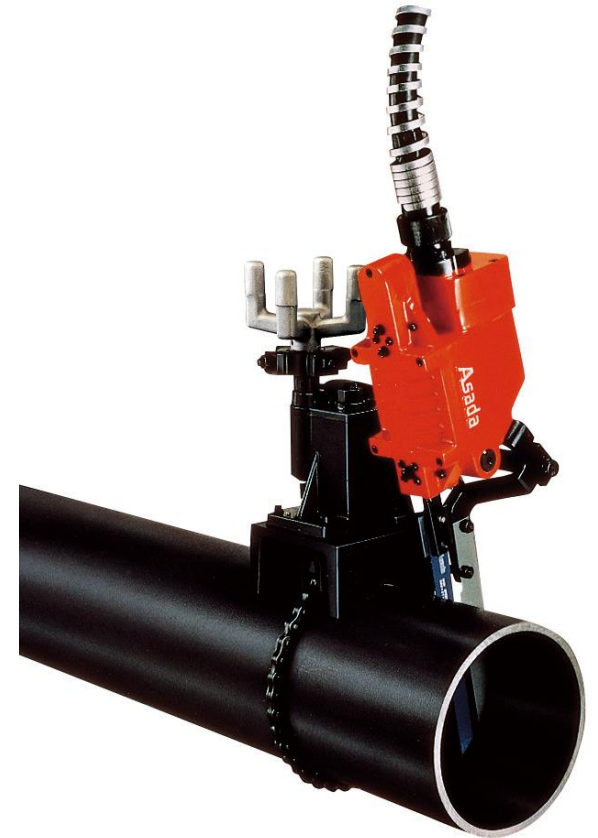
### Specifications

Cutting Capacity	Steel pipe 2~12" (14"OPTIONAL) 、 Stainless steel pipe 2~12"
Motor	1300W 50/60Hz. Voltage made to order
Dimension	612×302×252mm
Weight	19kg (body + vise)
Standard Accessoire	Saw Blade HSS 380・490mm (each 1pce) 、 Guide Plate 8"・12"、 Case

## Pipe Saw 300

Cutting Capacity : 2~12"(18"optional)

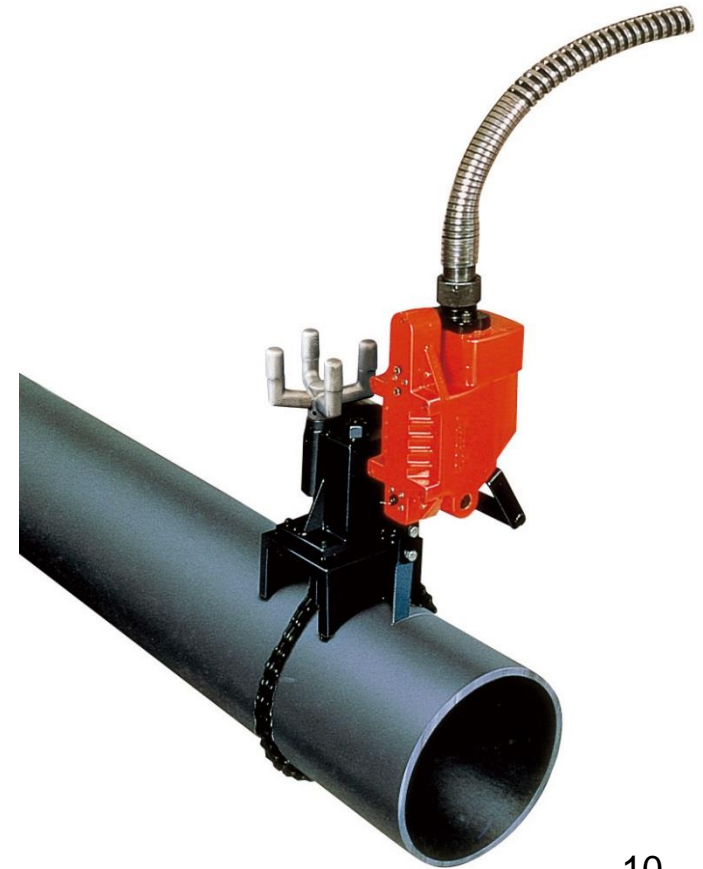
- Most suitable for cutting existing pipes such as ductile cast iron pipes for gas supply and steel pipes.
- Ideal for replacing work of underground gas pipes.
- Clutch mechanism for higher cutting accuracy.
- No sparks with the flexible shaft.
- Low noise condenser motor.



## Pipe Saw 350

Cutting Capacity : 2~14"

- Most suitable for cutting mortar lining ductile cast iron pipes for water supply.
- Ideal for replacing work of underground water pipes.
- No sparks with the flexible shaft.
- Low noise condenser motor.





## Pipe Saw 400SA

Cutting Capacity : 2~12"(24" \*optional)

- Most suitable for cutting ductile cast iron pipes and steel pipes.
- Ideal for removing pipes in plants or gas/water pipes.
- No spark with an air motor for safety work.
- Can be used at a long distance by extending the air hose.(Up to 20m)



- High quality Asada Saw Blades are strong and do not break easily for sharp cutting.

### ■ Specification

Cutting capacity	Steel pipe	2~12"(24" optional)
	Stainless steel pipe	2~12"
Motor		1120W
Stroke of blade		57mm
Stroke (SPM)		40~400
Size		480×302×252mm
Weight		21kg
Standard accessories		HSS blade 380・490mm 1 pcs each Guide plate 200A、300A、Box



## Pipe Saw 300 - 350

For cutting gas ductile iron, steel, reversal sealing pipes

### Pipe Saw 300 PAT.

Code No. **58003**

2" - 14" (18")

Flexible Shaft System

Ideal for dismantling and assembling underground gas pipes.

Flexible shaft system eliminates the problem of sparks and makes it possible to cut pipes with water inside.

Compact and easy cutting with rack & pinion system.

Equipped with a low noise condenser motor allows you to work at night.

※ To cut 18", optional accessories are necessary.

For cutting water ductile iron, lining motor pipes

### Pipe Saw 350 PAT.

Code No. **58013**

2" - 14"

Flexible Shaft System

Ideal for dismantling and assembling underground gas pipes.

Flexible shaft system eliminates the problem of sparks and makes it possible to cut pipes with water inside.

Compact and easy cutting with rack & pinion system.

## Specifications

Power transmission	Flexible shaft system
Stroke length	57mm
Weight	57kg
Motor	Voltage made to order - 750W (50/60Hz)
Standard Accessories	HSS 320, 380, 490mm, Guide Plate 200AG - 300AG

※ Information about Pipe Saw Blades on P36.

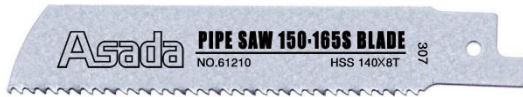
Power transmission	Flexible shaft system
Stroke length	57mm
Weight	57kg
Motor	Voltage made to order - 750W (50/60Hz)
Standard Accessories	Grit saw 320, 380, 430, 480, 530mm (1 pce each) Guide plate 250AW, 300AW, 350AW

※ Information about Pipe Saw Blades on P36.

**Flexible Shaft System.**  
**Ideal for cutting gas pipes!**



## Pipe Saw Blades



**HSS Blade**



**Super HSS Blade**



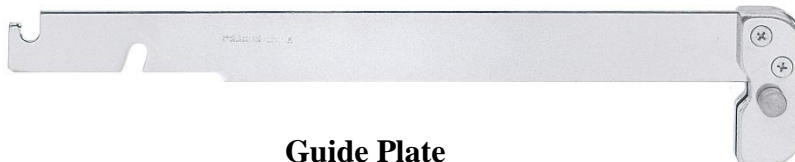
**HSS Blade**



**Grit Saw**



**HSS Blade (for stainless steel pipes)**



**Guide Plate**

- For cutting steel pipes, ductile cast iron pipes, plastic pipes, etc.
- Special Saw Blades for Pipe Saw 200SP (PS165S)
- For cutting stainless steel pipes, steel pipes, ductile cast iron pipes, plastic pipes, etc.
- Special Saw Blades for Pipe Saw 200SP(165S) Cobalt containing
- For cutting steel pipes, ductile cast iron pipes, plastic pipes, etc.
- Special Saw Blades for Pipe Saw 300 ▪ 350 ▪ 380SP ▪ 400SA
- For cutting mortar lining ductile cast iron pipes
- Special Saw Blades for Pipe Saw 300 ▪ 350 ▪ 380SP ▪ 350SA
- For cutting stainless steel pipes
- Special Saw Blades for Pipe Saw 300 ▪ 350 ▪ 380SS ▪ 400SA
- Guide Plates improve the cutting accuracy and prevent blades from breaking.

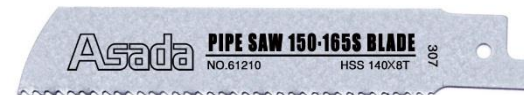


## Technical Information (Cutting Data)

\*Data is average for reference.  
Differ by operational condition.

### Model PS200SP (PS165S)

Type of Pipe	Material	Type of Blade	The # of Cutting	Cutting Time (sec)
GI Pipe (Galvanized Water Pipe)	SGP 2"	HSS 8TPI	100	15"
	SGP 4"	HSS 8TPI	40	55"
	SGP 6"	HSS 6/8TPI	20	120"
Stainless Pipe	SUS 2" (t=3mm)	Super HSS 8TPI	15	125"
	SUS 2" (t=4mm)	Super HSS 8TPI	8	230"
	SUS 4" (t=3mm)	Super HSS 8TPI	8	230"
	SUS 4" (t=4mm)	Super HSS 8TPI	6	380"
	SUS 6" (t=3mm)	Super HSS 8TPI	5	530"
Ductile Cast Iron Pipe	3" (t=8mm)	Super HSS 6TPI	7	120"
	6"	Super HSS 6TPI	3	480"
PVC Pipe	4"	Bi-Metal 14TPI	over 100	13"



**HSS Blade**



**Super HSS Blade**

## Technical Information (Cutting Data)

\*Data is average for reference.  
Differ by operational condition.

### Model PS300, 350

Type of Pipe	Material	Type of Blade	The # of Cutting	Cutting Time (min)
GI Pipe (Galvanized Water Pipe)	SGP 4"	HSS	75	8'
	SGP 6"	HSS	45	11'
	SGP 8"	HSS	30	16'
	SGP 10"	HSS	25	20'
	SGP 12"	HSS	20	25'
	SGP 14"	HSS	10	20'
Stainless Pipe (SU20)	SUS 4"	HSS for Stainless	15	5'
	SUS 6"	HSS for Stainless	12	12'
	SUS 8"	HSS for Stainless	8	18'
	SUS 10"	HSS for Stainless	6	25'
	SUS 12"	HSS for Stainless	4	33'
Ductile Cast Iron Pipe	4"	HSS	75	8'
	6"	HSS	45	11'
	8"	HSS	30	16'
	10"	HSS	25	20'
	12"	HSS	20	25'
Mortared Ductile Cast Iron Pipe	4"	Grit Saw	15	7'
	6"	Grit Saw	10	10'
	8"	Grit Saw	7	16'
	10"	Grit Saw	6	23'
	12"	Grit Saw	5	27'
	14"	Grit Saw	4	45'

Remarks: Data is cut with the best speed and GI & Stainless Pipe is cut with cutting oil.

## Technical Information (Cutting Data)

\*Data is average for reference.  
Differ by operational condition.

### Model PS380S(previous model)

Type of Pipe	Material	Type of Blade	The # of Cutting	Cutting Time (min)
GI Pipe (Galvanized Water Pipe)	SGP 4"	HSS	55	4'
	SGP 6"	HSS	37	6'
	SGP 8"	HSS	24	9'
	SGP 10"	HSS	19	11'
	SGP 12"	HSS	15	14'
	SGP 14"	HSS	11	20'
Stainless Pipe (SU20)	SUS 4"	HSS for Stainless	15	5'
	SUS 6"	HSS for Stainless	12	12'
	SUS 8"	HSS for Stainless	8	18'
	SUS 10"	HSS for Stainless	6	25'
	SUS 12"	HSS for Stainless	4	33'
Ductile Cast Iron Pipe	4"	HSS	100	4'
	6"	HSS	75	6'
	8"	HSS	55	8'
	10"	HSS	48	10'
	12"	HSS	40	12'
Mortared Ductile Cast Iron Pipe	4"	Grit Saw	25	7'
	6"	Grit Saw	18	10'
	8"	Grit Saw	12	15'
	10"	Grit Saw	7	25'
	12"	Grit Saw	5	38'
	14"	Grit Saw	4	45'

Remarks: Data is cut with the best speed and GI & Stainless Pipe is cut with cutting oil.





Quality

Seeking for the optimum quality in every product, engineering and culture.

We have been working to provide high quality products for over 60 years. For example, our core product, the pipe threading machine, was first developed and marketed in 1953, but we continuously improve the quality of the unit.

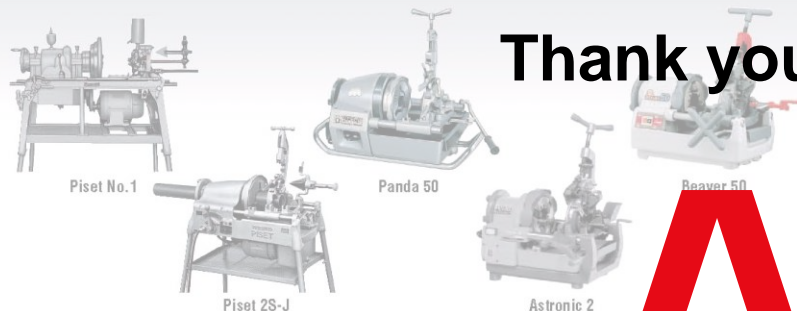


Globalization

Manufacturing products and educating employees which meet the global standards in worldwide views.

In May 2008, ASADA received the "Ozone Layer Protection Award" from U.S. Environmental Protection Agency. Since we started sales the first refrigerant recovery machine with oil-less compressor in Japan in 1995, we have been developing various refrigerant recovery machines, reclaim machines, SF6 recovery machines, decomposition device. Additionally we have been training many technicians not only in Japan but also in Thailand, Mongolia and so in the field of refrigerant recovery. We are proud that our efforts were recognized.

*We continue to improve.*



Thank you for your attention.

**Asada**  
**ASADA CORPORATION**

The most advanced technology and ASADA's basic engineering skills.

New fundamental technology for the next generation.

Innovation. It's the revolution. It means a challenge to incorporate new ideas without fear. It's our traditional attitude in manufacturing. It's the spirit of every one of our employees. A new conception apart from the existed engineering is needed to achieve the innovation. And, the corporate philosophy to challenge without fear for failure creates an invention.



Innovation

*70 years history is providing us the new engineering skill to support the company in the 21st century.*



High speed refrigerant recovery machine  
Eosaver Tetra



Electrostatic refrigerant reclaim machine  
Ecocycle Aurora



Plasma refrigerant decomposition device  
Plasma X

*We are going to contribute to the environmental protection spreading our technology to developing countries.*



Refrigerant recovery technical seminar in Mongolia

2000.5.  
Received "Brand Creator Nagoya"  
prize by the Nagoya Chamber of  
Commerce

2004.3.  
Recognized as the "Aichi Brand  
Enterprise" by Aichi Prefecture  
government.

2006.2.  
Received 2006 Aichi Environment  
Award, Mayor of Nagoya Prize.

2007.3.  
Received "Protection of Ozone Layer  
and Prevention of Global Warming  
Award", Ministry of Environment Prize.

**Refrigerant recovery business**

We support CO2 emission reduction by recovering and reclaiming refrigerant and green house gases.

**Doctor Homes**

Our subsidiary company, Doctor Homes recovers/reclaims/destroys various refrigerant and recovers/reclaims SF6, lithium bromide and so on. They have offices in Nagoya, Tokyo, Mie and Osaka.

