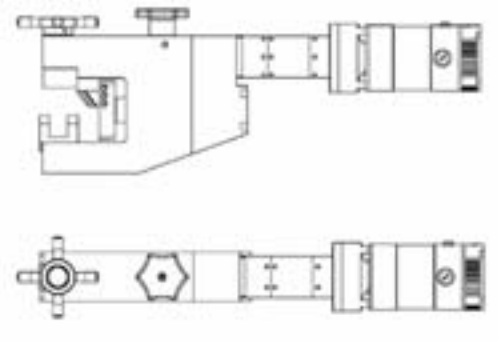
C-Narrow Design Pipe Beveling Machine

ISC

Product Description

- This machine is effective, ideal and reliable solution to precisely square cut and bevel for all types of metal pipes/tubes. All saw-bladed pipe cutters with precise, square and clean cut, which save any additional preparation work on the cut-off face for orbital welding.
- The cut/beveled pipe is free from burr and deformation because of high quality saw blades. It is the best choice for direct S.S pipe welding on catering. pharmacy, semiconductor optoelectronics, biology, chemical industry, oil and gas, water treatment, shipbuilding, electri power industry, etc.



Specifications

- Compact structure, desinged to bevel the pipe in the narrow space.
- Pipe out–mounted, self centering, secured clamping. easy to operate.
- Aluminum body, light weight, suitable for working aloft.
- High quality beveling tool, can process different grades of carbon steel. alloy steel, stainless steel and so on.
- More choice for the driven model, electric or pneumatic, widely applicable.
- Apply to pipe end beveling process of water pipe, heater boiler and thermal power plant.
- Electric: Driven by low-energy consumption electric motor 110V or 220V, 50-60Hz
- Pneumatic: Drive by pneumatic motor. Air working pressure:0.6-0.8Mpa, Air Consuming flux:650-960L/min

Beveling Types

- other bevel angles or alloy steel, cast steel, please consult us.

Technical Parameter

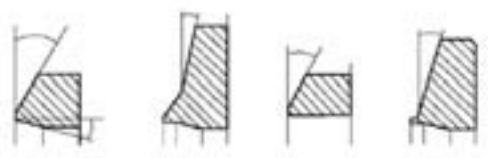
Model No.	Size	Working range (OD mm)	Wall thickness(mm)	"Tool stroke (mm)"	Rated Power (KW)	Rotating Speed(rpm)
Electric: ISC Pneumatic: TSC	53	8-53	≤ 8	0-11	0.9	58
	63	20-63	≤ 12	0-11	0.9	55
	73	25-73	≤ 12	0-11	0.9	54
	83	30-83	≤ 12	0-11	1.4	43
	108	50-108	≤ 12	0-11	1.4	42

Split Frame Pipe Cutting and Beveling Machine

Product Description

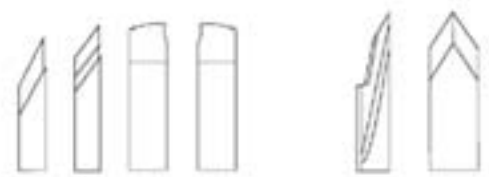
- Split frame technology, easy to install in pipeline.
- Out mounted, clamping by multipoint jaws.
- Cold cutting, don't influence the pipe's material.
- Auto feed, Cutting and Beveling the pipe at the same time, cost effective.
- Variety of beveling shape: "U", "V", "J", double "V"compound bevels.
- Can process material: carbon steel, alloy steel, stainless steel
- Pipeline construction site, beveling process for all the size of pipes & pressure vessels & steam generator.
- Application: petroleum, chemical, natural gas, power supply construction, boiler and nuclear power.
- Four types of driven motors :Electric, Pneumatic, Numerical Controller and Hydraulic.

Beveling Types



- Other bevel angles or alloy steel, cast steel, please declare before order.

Tools



Standard tools Optional tools

- Standard tools attached (high speed steel, wall thickness≤25mm), If customers need other degrees cutting tools or wall thickness >25mm, please inform us before order.

Specifications

- Electric: Driven by low-energy consumption electric motor. 110V or 220V, 50-60Hz
- Pneumatic: Drive by pneumatic motor. Air working pressure:0.6-0.8Mpa, Air Consuming flux:650-960L/min

Electric Drive

Pneumatic Drive

Specifications

- Numerical controller: Driven by the high-power servo motor and PLC control system. Timing range: 0-20 RPM, Power 2.0-5.5KW, 220-230V, 50-60Hz.
- Hydraulic: Driven by hydraulic motor, Rated pressure: 16Mpa, Rate Flux; 25L/min, output torque 260 NM, Electric power: 7.5KW, 380V-3Ph.

Machine Body and Material

- Standard Model:Alloy steel with ionic treatment. The weight is a little heavy, but sturdy and durable.
- Light Model: Aerospace grade Aluminum alloy or Hollow-out alloy steel. Light weight and suitable for high-altitude operation.

Numerical Controller

Hollow-out Alloy Steel

Hydraulic Drive

Aluminum Alloy

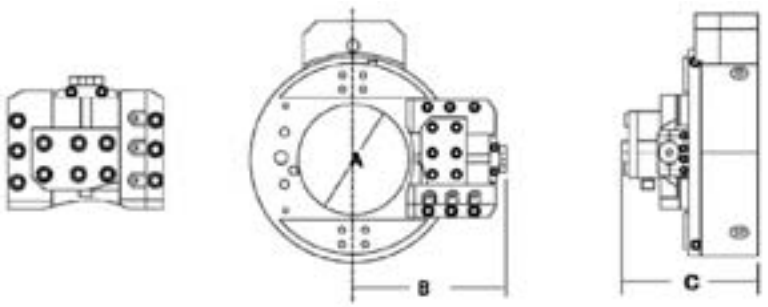
Cutting, Drilling and Beveling

Metric Standard

Model No.	Size(mm)	Capacity (OD mm)	Wall thickness(mm)		Rated Power (KW)	Rotating Speed(rpm)
			Light duty	Heavy duty		
Light-duty: Electric:ISD Pneumatic:ISF NC:SKD Hydraulic:HYD	80	ϕ10-80	≤25		1.4	34
	150	ϕ65-150	≤25		1.4	26
	300	ϕ150-300	≤25	≤110	1.4	24
	450	ϕ300-450	≤25	≤110	1.4	22
	600	ϕ450-600	≤25	≤110	2	15
	750	ϕ600-750	≤25	≤110	2	14
	830	ϕ680-830	≤25	≤110	2	13
	900	ϕ750-900	≤25	≤110	2	12
	1050	ϕ900-1050	≤25	≤110	2	12
	1160	ϕ980-1160	≤25	≤110	2	11
Heavy-duty: Electric:ISDH Pneumatic:ISFH NC: SKDH Hydraulic:HYDH	1240	ϕ1040-1240	≤25	≤110	2	10
	1300	ϕ1150-1300	≤25	≤110	2	10
	1500	ϕ1300-1500	≤25	≤110	3	8
	1700	ϕ1500-1700	≤25	≤110	3	8
	1910	ϕ1700-1910	≤25	≤110	5.5	7
	2100	ϕ1900-2100	≤25	≤110	5.5	6
	2300	ϕ2100-2300	≤25	≤110	5.5	4

Machine Body Size

(standard Specifications, if non-standard Specifications, please consult us)



Model No. / Specifications	80	150	300	450	600	750	830	900	1050
A(mm)	85	166	306	458	606	753	836	910	1160
B(mm)	171	230	309	385	458	532	606	614	688
C(mm)	161	161	175	175	175	175	175	175	175

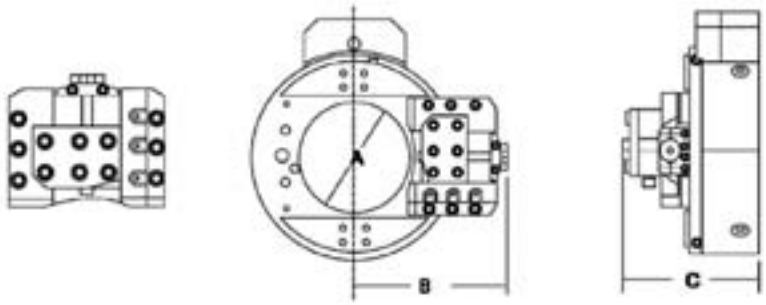
Model No. / Specifications	1160	1240	1300	1500	1700	1910	2100	2300
A(mm)	1170	1250	1310	1510	1710	1920	2110	2310
B(mm)	772	784	836	934	1036	1140	1244	1344
C(mm)	221	221	221	221	221	221	221	221

British Standard

Model No.	Size(mm)	Capacity (OD mm)	Wall thickness(mm)		Rated Power (KW)	Rotating Speed(rpm)
			Light duty	Heavy duty		
Light-duty: Electric:ISD Pneumatic:ISF NC:SKD Hydraulic:HYD	168	1"-6"	≤25		1.4	24
	219	2"-8"	≤25		1.4	23
	273	4"-10"	≤25	≤110	1.4	23
	323	6"-12"	≤25	≤110	1.4	23
	355	8"-14"	≤25	≤110	2.0	23
	406	10"-16"	≤25	≤110	2.0	22
	457	12"-18"	≤25	≤110	2.0	20
Heavy-duty: Electric:ISDH Pneumatic:ISFH NC: SKDH Hydraulic:HYDH	508	14"-20"	≤25	≤110	2.0	20
	555	16"-22"	≤25	≤110	2.0	14
	610	18"-24"	≤25	≤110	2.0	14
	762	24"-30"	≤25	≤110	2.0	13
	914	30"-36"	≤25	≤110	2.0	11
	1066	36"-42"	≤25	≤110	2.0	10
	1220	42"-48"	≤25	≤110	3.0	9

Machine Body Size

(standard Specifications, if non-standard Specifications, please consult us)



Model No. / Specifications	168	219	273	323	355	406	457
A(mm)	176	227	281	333	365	420	471
B(mm)	243	269	296	322	338	365	390
C(mm)	175	175	175	175	175	175	175

Model No. / Specifications	508	555	610	762	914	1066	1220
A(mm)	516	565	620	770	930	1080	1240
B(mm)	413	475	502	577	653	728	837
C(mm)	175	175	175	175	175	221	221

T-Type Beveling Machine

Product Description

- Inner mounted quickly and easily, self located in center of the pipe.
- Beveling and grooving with high speed, light weight, good rigdity. Used for the welding preparation.
- Can process facing, flange, convex surface and seal groove.
- Cold cutting process will not influence the quality of the material of the pipe.
- High quality beveling tool, can process different grades of carbon steels, alloy steel, stainless steel and so on.
- Can process the U, V and J shape of pipe beveling according to the requirements.

Specifications

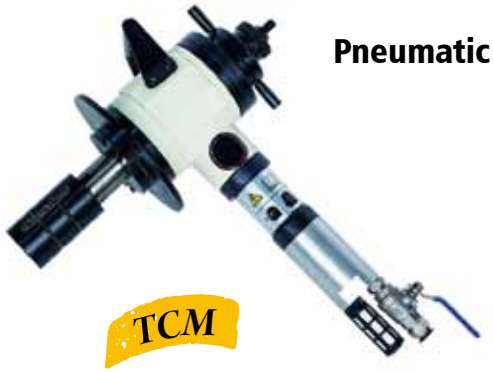
- Electric: Driven by low-energy consumption electric motor 110V or 220V optional, 50-60Hz
- Pneumatic: Drive by pneumatic motor. Air working pressure:0.6-0.8Mpa, Air Consuming flux:650-960L/min

Beveling Types

- other bevel angles or alloy steel, cast steel, please declare before order

Electric

Pneumatic



Technical Parameter

Model No.	Size	Working Range (ID mm)	Wall Thickness (mm)	Rated power (KW)	Rotating Rate (rpm)
Electric:SDC Pneumatic: TCM	28T	16-28	≤ 15	0.9	58
	80T	28-76	≤ 15	0.9	55
	120T	45-93	≤ 20	1.4	42
	150T	65-159	≤ 20	1.4	34
	350T	150-330	≤ 20	1.4	16
	30TN	12-30	≤ 15	0.9	58
	90TN	25-90	≤ 15	1.4	42

Y-Type Beveling Machine

Product Description

- The Beveling Machine adopts"Y" shape struction design, minimal radial space, light weight, easy to carry, safe use.
- Inner mounted quickly and easily, self located in center of the pipe.
- Beveling and grooving with high speed, light weight, good rigdity. Used for the welding preparation.
- Can process facing, flange, convex surface and seal groove.
- Cold cutting process will not influence the quality of the material of the pipe.
- High quality beveling tool, can process different grades of carbon steels, alloy steel, stainless steel and so on.
- Can process the U, V and J shape of pipe beveling according to the requirements.

Specifications

- Electric: Driven by low-energy consumption electric motor 110V or 220V optional, 50-60Hz
- Pneumatic: Driven by pneumatic motor. Air working pressure:0.6-0.8Mpa, Air Consuming flux:650-960L/min

Beveling Types

- other bevel angles or alloy steel, cast steel, please declare before order

Technical Parameter

Model No.	Size	Capacity (ID mm)	Wall thickness(mm)	Rated Power (KW)	Rotating Speed(rpm)
Electric: ISY Pneumatic: TCM	150	65-159	≤ 15	1.4	34
	250	80-240	≤ 15	1.4	16
	351	150-330	≤ 15	1.4	14
	630	300-600	≤ 15	1.4	10
	850	600-820	≤ 15	2.0	9

Model No.	Size	Capacity (ID mm)	Wall thickness(mm)	Rated Power (KW)	Rotating Speed(rpm)
Electric: ISY Pneumatic: TCM	250-II	80-240	≤ 75	1.4	16
	351-II	150-330	≤ 75	1.4	14
	630-II	300-600	≤ 75	1.4	10
	850-II	600-820	≤ 75	2.0	9