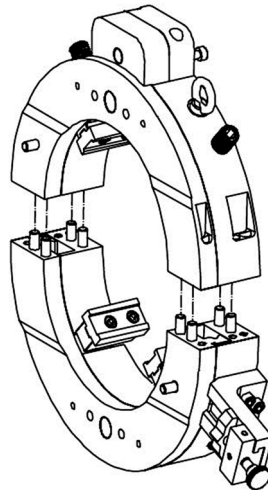


SPLIT FRAME PIPE CUTTING & BEVELLING MACHINE

The TTCB Series Machine is ideal for all types of Pipe Cutting, Beveling and End Preparation. The split frame design supports the tool to split in half at the frame and mount around the OD of the in-line pipe or fittings for secure, stable clamping. The equipment performs precision in-line cut or simultaneous cut/bevel, single point, counter bore and flange facing operations, as well as weld end preparation on open-ended pipe, ranging from 6" to 48 inches on most wall thickness and material.

Features:

- Ergonomically design helps to operate in minimal space.
- Wide range of drive options increase the flexibility of operation.
- Fully enclosed bearings helps for safe and durable operation.
- TRITORC Models cover range from 6" to 48 inches.
- All accessories are interchangeable between most of machines.

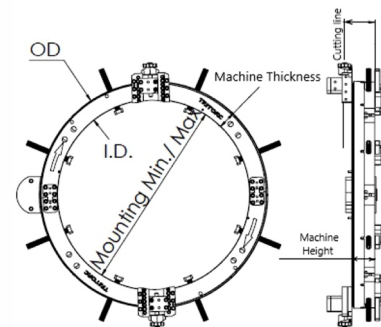


Drives : 1) Pneumatic 2) Electric 3) Servo 4) Hydraulic

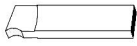
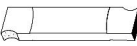
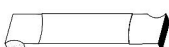
TTCB Series


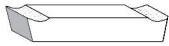


Technical Data of Various Machine Models:





MODEL No.	RANGE	MACHINE ID mm	MACHINE OD mm	THICKNESS mm	HEIGHT mm	WEIGHT kg
TTCB-12	6" - 12"	340	501			68.95
TTCB-14	8" - 14"	381	552			75.85
TTCB-16	10" - 16"	431	602			87.1
TTCB-20	14" - 20"	534	705			97.6
TTCB-24	18" - 24"	635	806			113.1
TTCB-28	22" - 28"	774	945	85.5	152.7	127.9
TTCB-30	24" - 30"	787	958			128.3
TTCB-34	28" - 34"	926	1097			144.8
TTCB-36	30" - 36"	938	1109			146.6
TTCB-42	36" - 42"	1096	1267			163.2
TTCB-48	42" - 48"	1256	1427			179



Specification Axial Ring Size / Standard Tool Slide

CUTTING TOOL						
Sketch	Model	Description	Thickness	Thk	Length	Width
	TCT-5	Cutting Tool Standard	Max 20mm	3/16"	5"	1"
	TCT-6	Cutting Tool Long (Dual Side)	Max 40mm	1/4"	6"	1"
	TCT-8	Cutting Tool Customised (Dual Side)	Max 100mm	5/16"	8"	1"

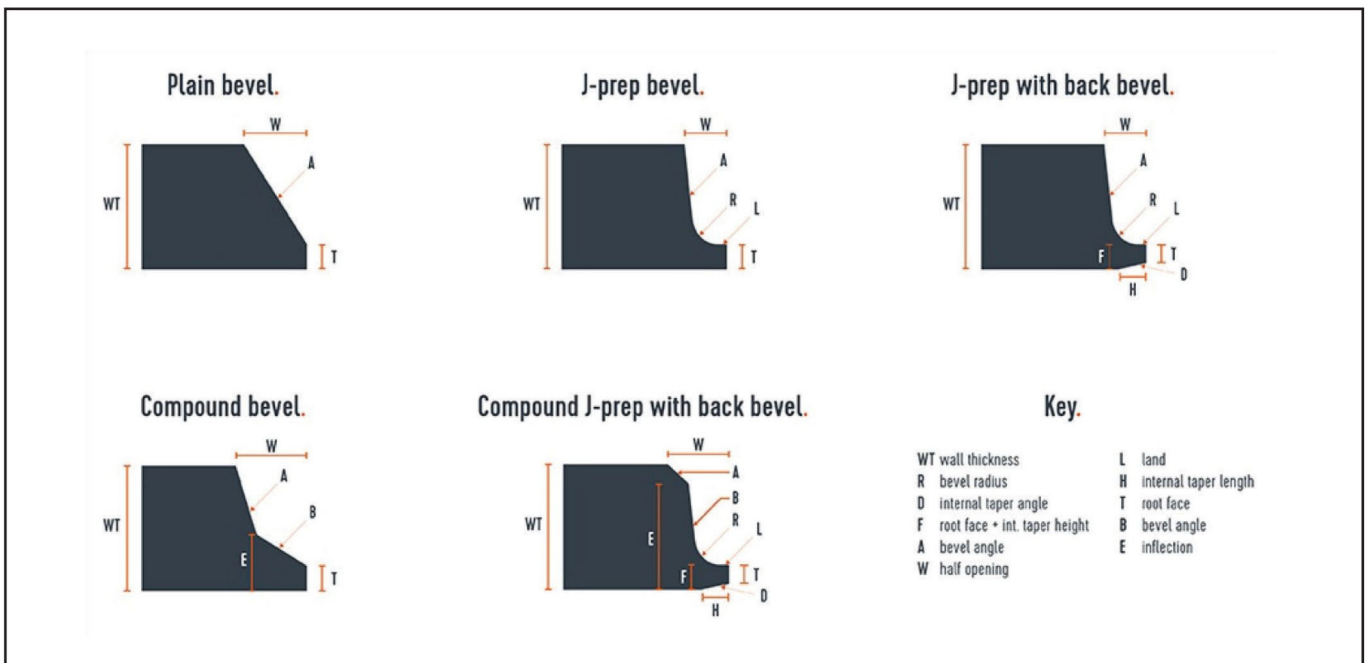
BEVELLING TOOL				
Sketch	Model	Description	Angle	Length
	TBT-30	Beveling Tool Inside	30°	5"
	TBDT-30	Beveling Tool Inside (Dual Side)	30°	6"
	TBT-37.5	Beveling Tool Inside	37.5°	5"
	TBDT-37.5	Beveling Tool Inside (Dual Side)	37.5°	6"

COMPOUND BEVELLING TOOL				
Sketch	Model	Description	Angle	Length
	TCBT-30	Compound Bevel Tool Inside	10 x 30°	5"
	TCDBT-30	Compound Bevel Tool OutSide	10 x 30°	6"
	TCBT-37.5	Compound Bevel Tool Inside	10 x 37.5°	5"
	TCDBT-37.5	Compound Bevel Tool OutSide	10 x 37.5°	6"

COUNTERBORE TOOL			
	Model	Description	Diamension
	CBT-15	Counterbore Tool	15° x 31.34 mm
	CBT-30	Counterbore Tool 30° x 31.34 mm	30° x 31.34 mm

Note: For pipe counterboring used on counter boring tool slide

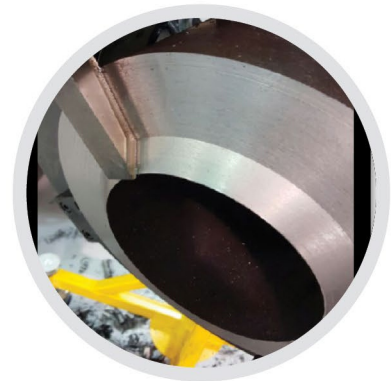
CUTTING TOOL					
Model	Description	Angle	Length	Width	Sketch
HTCT - 1	Heavy Duty Cutting Tool (Side One)	90°	6"	1"	
HTCT - 2	Heavy Duty Cutting Tool (Side Two)	90°	6"	1"	
HCBT-37.5 - 1	Heavy Duty Cutting & Bevelling Tool (Side One)	37.5°	6"	1"	
HCBT-37.5 - 2	Heavy Duty Cutting & Bevelling Tool (Side Two)	37.5°	6"	1"	
HCBT-30 - 1	Heavy Duty Cutting & Bevelling Tool (Side One)	30°	6"	1"	
HCBT-30 - 2	Heavy Duty Cutting & Bevelling Tool (Side Two)	30°	6"	1"	
HCBT-10 - 37.5	Heavy Duty Compound Bevel Tool	10° x 37.5°	6"	1"	
HCBT-10 - 30	Heavy Duty Compound Bevel Tool	10° x 30°	6"	1"	



Angle 37.5°



Angle 90°



Angle 10x37.5°

TCSL SERIES OD-MOUNTED PIPE CUTTING & BEVELLING EQUIPMENTS PIPE CUTTING & BEVELLING MACHINE

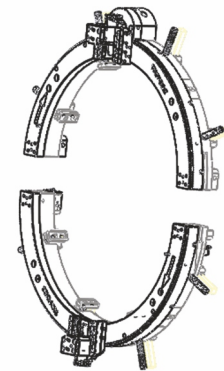
The TCSL Series Machine is ideal for all types of pipe cutting, beveling and end preparation. The split frame design allows the machine to split in half at the frame and mount around the OD of the in-line pipe or fittings for strong, stable clamping. The equipment performs precision in-line cut or simultaneous cut/bevel, single cut/bevel, single point, counter bore and flange facing operations, as well as weld end preparation on open ended pipe, ranging from 2" to 24 inches O.D. (DN20-1400), on most wall thickness and material.

Above 48 inches can be supplied on request.

Our TCSL Series Machines are stationary ring made by aluminum, where strength is less critical than weight. Light weight make it more convenient for operator.

Features:

- Easier assembly and disassembly of frames halves with split frame technology
- Quickly splits and install on outer dia of the pipe
- Simultaneously cuts & bevels resulting in precise finishing
- Low axial and radial clearance
- Auto feed for cutting & beveling
- Cut and bevel any material of any wall thickness
- Pipe end preparation joints can be performed as Standard Bevel, Compound Bevel & J Bevel
- Standard Bevel: 30° & 37.5°
- Compound Bevel: 10 x 37° & 10 x 37.5°
- J Bevel: Various degree & radius
- Infinite motor positioning
- Modular tool slides



Note: Also available in Steel

TCSL Series Machine Range:

MODEL No.	RANGE	MACHINE ID mm	MACHINE OD mm	THICKNESS mm	HEIGHT mm	WEIGHT kg
TCSL-4	2" - 4"	130	247	58.5	127.5	22.1
TCSL-6	2" - 6"	184	301			24.9
TCSL-8	2" - 8"	238	355			29.2
TCSL-10	4" - 10"	292	409			31.8
TCSL-12	6" - 12"	343	460			34.8
TCSL-14	8" - 14"	373	490			36
TCSL-16	10" - 16"	424	541			38.4
TCSL-18	12" - 18"	478	595			41.2
TCSL-20	14" - 20"	528	645			43.2
TCSL-22	16" - 22"	576	693			49.7
TCSL-24	18" - 24"	636	753			52.3

Drive Specifications:

DRIVE SPECIFICATIONS:

Drive Options:

Pneumatic, Hydraulic & Electric

Air Requirement:

1500L-3000L Per minute @ 0.6/0.7Mpa

Hydraulic Requirement:

2-60L per minute @12.5Mpa

Electric Requirement:

220-240V 1PH 50/60HZ

Feed Mode:

Star wheel, automatically

Feed Rate :

Fixed@0.08mm per revolution

AIR OPERATED MOTOR

- Torque: 117 Nm
- Power: 3.77 HP
- Tested at @ 0.6Mpa
- Compressed air

Advantages:

- Explosion Proof
- Stable Performance
- Simple structure makes it easy to maintain



ELECTRIC OPERATED MOTOR

- Model: W24-230MVT
- 230V- 50/60HZ 2400W 11,0A
- N 6600/Min (rpm)

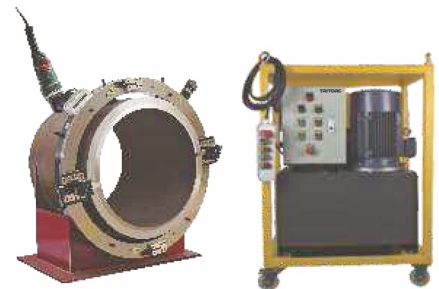


HYDRAULIC OPERATED MOTOR

- Power Supply: 380-440V 3PH 50/60HZ
- 2-60L per minute @12.5Mpa

Advantages:

- Powerful drive, High efficiency
- Stable Performance
- Low noise
- Adjustable speed
- Ideal for heavy wall thickness & large size pipe



TOOLING CHART - CUTTING TOOLS

Description	Application	Sketch
Cutting Tool Material: HSS Dimension: 6 x 25 x 150	Standard Cutting for most materials up to 30 mm	
Cutting Tool Material: HSS Dimension: 6 x 25 x 200	Longer cutting tool, both ends have blade, for most materials up to 30 mm	
Cutting Tool Material: HSS Dimension: 6 x 25 x 200	Longer cutting tool, both ends have blade, for most materials up to 60 mm	

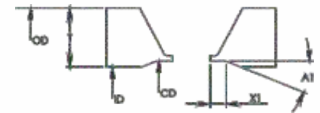
TOOLING CHART - BEVELLING TOOLS

Bevelling Tool Material: HSS Dimension: 25 x 25 x 150 & 25 x 25 x 200	Right Hand & Left Hand Standard Bevelling Tool for most materials Angle 37.5°	
Compound Bevelling Tool Material: HSS Dimension: 25 x 25 x 200	Right Hand & Left Hand Standard Bevelling Tool for most materials Angle 37.5° & 10°	

Details of Counterbore

Required

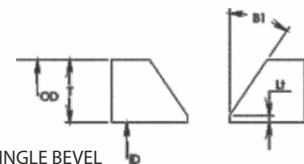
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CD	A1



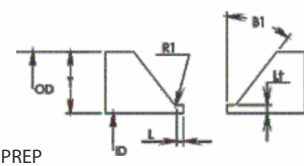
COUNTER BORE



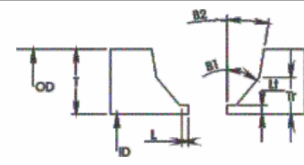
COMPOUND BEVEL



SINGLE BEVEL



J PREP



COMPOUND J PREP