



BOLTORO

- Inspiring Ultimate Pipeline Solution -

SPLIT FRAME PIPE CUTTING | BEVELLING | FLANGE FACING



MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES

COMPANY PROFILE

BOLTORQ stands as a distinguished global leader in the realm of industrial equipment manufacturing. With an expansive and comprehensive product portfolio, we cater to a multitude of sectors spanning across continents. Our excellence is deeply rooted in a triad of essential pillars: pioneering research, precision-driven manufacturing, and strategic sales prowess.

In addition to these core strengths, we have seamlessly ventured into the domain of equipment rental services, encompassing essential operations such as Pipe Cutting & Beveling, Flange Facing, Heat Exchanger Re-tubing, and controlled bolting. This extension of our services is a testament to our commitment to providing holistic solutions that not only address industry-specific challenges but also contribute to the seamless functioning of a wide array of businesses.

ABOUT BOLTORQ MACHINES

At BOLTORQ, we specialize in empowering on-site assets with a heightened level of performance, culminating in operational excellence, unparalleled uptime, and elevated productivity. At the core of our success lies our exclusive proprietary technology, which serves as the driving force behind the creation of portable machine tools that are unsurpassed in reliability, durability, efficiency, and precision. These tools stand as the epitome of excellence, capable of not only meeting but surpassing the most exacting standards of tolerance, all while delivering outputs of the utmost quality.

we also serve you with :

OIL & GAS

- Pipelines
- General Fabrication
- Offshore Welding
- Shipbuilding
- Vessel Manufacturing
- Power Generation
- Boiler Industry
- Petrochemical
- Pharmaceutical

REFINERIES

- Turbines
- Nuclear
- Heat Exchangers
- Dairy
- Breweries
- Civil Construction
- Maintenance
- And many more...

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The BTOCB 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 1 inch to 56 inches on most wall thicknesses and material.

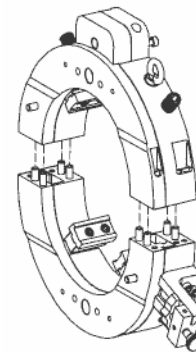
BTOCB SERIES OD MOUNTED PIPE CUTTING & BEVELLING MACHINE

Products 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
- Boltorq Models cover range from 1 to 56
- All accessories are interchangeable between most of machines

Drives :

- Pneumatic
- Electric
- Servo
- Hydraulic



→ BTOCB Series

PRODUCT SELECTION :

MODEL NO.	WORKING RANGE		WEIGHT (KG)
	Inch.	mm.	
BTOCB - 3	1-3	25-75	-
BTOCB - 6	2-6	50-159	41.5
BTOCB - 9	3-8	80-230	42.5
BTOCB - 10	4-10	100-250	44.5
BTOCB - 12	6-12	150-300	53
BTOCB - 14	8-14	200-350	56
BTOCB - 16	10-16	250-400	60
BTOCB - 18	12-18	300-450	65.5
BTOCB - 20	14-20	350-500	77
BTOCB - 22	16-22	400-560	79
BTOCB - 24	18-24	450-600	85
BTOCB - 26	20-26	508-660	96
BTOCB - 28	22-28	550-710	114
BTOCB - 30	24-30	600-760	116
BTOCB - 32	26-32	660-810	120.50
BTOCB - 36	30-36	760-910	144.50
BTOCB - 42	36-42	910-1060	197.5
BTOCB - 48	42-48	1060-1210	236
BTOCB - 56	48-56	1210-1420	-

DRIVE DETAILS

Electric Operated Motor BTEMD -1

- This is long life motor come up with Deadman's switch for high user protection
- Rotating back & side Handle mounted at three positions for optimum handle position
- Twist proof
- Safety switch to prevent unintentional start



TECHNICAL DATA

Grinding wheel Ø	230 mm
No-load speed	6600 rpm
Revolutions at rates load	4600 rpm
Torque	17Nm/150 in-lbs
Spindle thread	5118/ UNC
Weight (without power cable)	5.8 kg / 12.8 lbs
Cable length	4m/13 ft

Air Operated Motor - BTAMD-1 & BTAMD-2



TECHNICAL DATA

Torque	117 Nm
Power	2.4/3.5 BHP
Working Pressure	6 Bar
Compressed Air	Continues Flow

Hydraulic Operated Motor - BTHM - 1



TECHNICAL DATA

Hydraulic Motor Speed	200r/min
Hydraulic Motor Torque	260 Nm
Weight	15 Kg

Hydraulic Power Pack -BTHPP



TECHNICAL DATA

Power supply	5.5 KW
Working voltage	380V, 3ph, 5lines
Working frequency	50 hz
Rated working pressure	100 bar
Rated flowing	530-L/min
Open way	Manual/remote control
Oil line length	6 m (standard)
N.W. (kg)	239 kgs

TOOL SLIDE ASSEMBLES

PART NO.	ITEM	DESCRIPTION
BTLCST-100	Standard Low Clearance Tool Slide	Low profile light weight for less clearance Between Pipes, Cutting & Beveling all materials up to 1 mm wall thickness
BTHDTS-100	Heavy Duty Tool Slide	


OD TRACKING TOOL SLIDE ASSEMBLIES

PART NO.	ITEM	DESCRIPTION
BTODT-100	Spring Loaded O/D Tracking Tool Slide	For cutting & Beveling of all material of up to 100mm wall thickness. It has advantage for large diameter and heavier wall thickness. Includes: 2 OD tracking tool slides 1 tool slide parting 1 tool slide Beveling / parting 1 corrosion protected trip assembly Fasteners


UNIVERSAL COUNTER BORE SLIDE ASSEMBLIES
MAX. AXIAL TRAVEL: 1 3/4 IN (44.5 MM). MOUNTS TO BEVEL TOOL SLIDE.

PART NO.	ITEM	DESCRIPTION
BTCBA-80	Universal Counter Bore Slide Module for Low Clearance	It is available in a range of portable length. The counter-bore slide module accessory bolts directly to the standard tool slide and can be installed immediately upon completion of the cut and external bevel, to remove any internal inconsistencies prior to welding.


BRIDGE SLIDE ASSEMBLY

Part No	Size
BTBS-20	6"-12"
	8"-14"
	10"-16"
	14"-20"
BTBS-28	18"-24"
	22"-28"

BRIDGE SLIDE ASSEMBLY

Part No	Size
BTBS-36	26"-32"
	30"-36"
	36"-42"
BTBS - 48	42"-48"



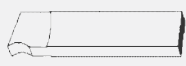
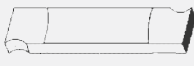
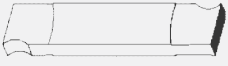
Note : Bridge Slide Assembly Covers Different Sizes

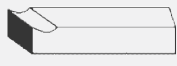
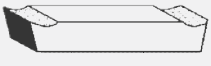
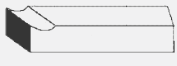

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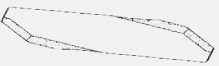


PART NO.	ITEM	DESCRIPTION
BTPD	BTPD-F/R/L	Air pressure measured with PSI/BAR liquid filled gauge. Adjustable lubricator for proper "Air Tool Oil" drip. Ergonomic F/R/L frame in saety yellow with hose storage. Dimenssions: Width 9" Height 12" Length 12" Weight 12 lbs. includes 8ft Air Hose.





SPECIFICATION AXIAL RING SIZE / STANDARD TOOL SLIDE

CUTTING TOOL						
SKETCH	MODEL	DESCRIPTION	THICKNESS	THK	LENGTH	WIDTH
	BTCT-5	Cutting Tool Standard	Max 20mm	3/16	5"	1"
	BTCT-6	Cutting Tool Long (Dual Side)	Max 40mm	1/4	6"	1"
	BTCT-8	Cutting Tool Customised (Dual Side)	Max 100mm	5/16	8"	1"

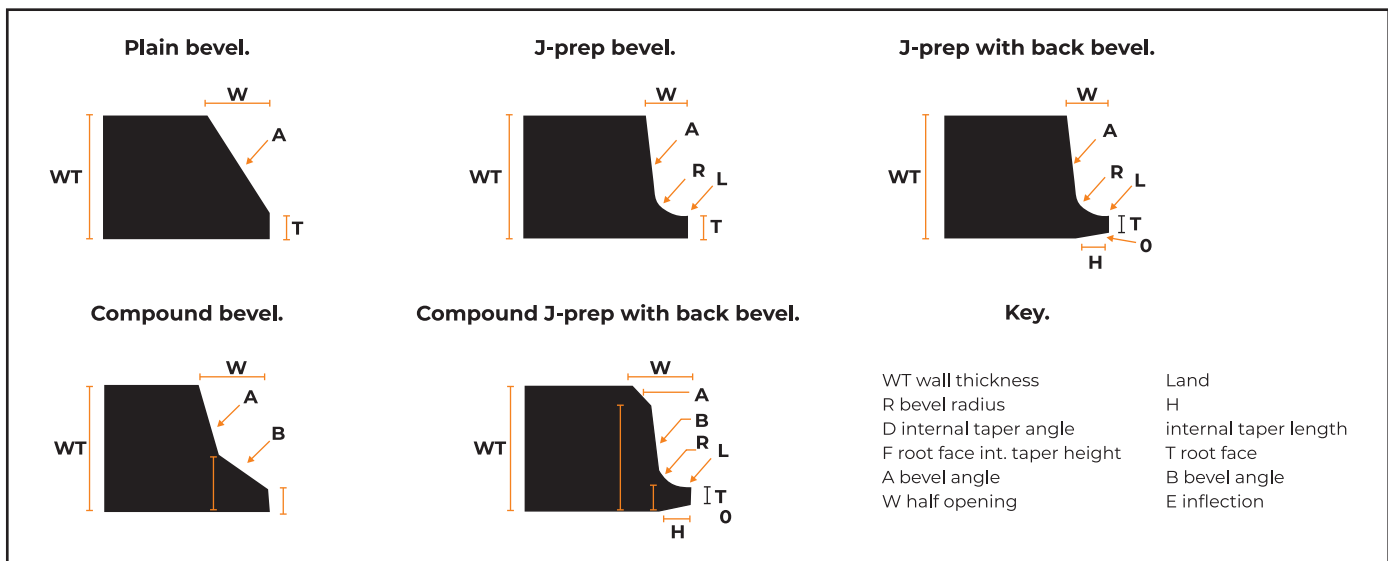
BEVELLING TOOL				
SKETCH	MODEL	DESCRIPTION	ANGLE	LENGTH
	BTBT-30	Beveling Tool Inside	30°	5"
	BTBDT-30	Beveling Tool Inside (Dual Side)	30°	6"
	BTBT-37.5	Beveling Tool Inside	37.5°	5"
	BTBDT-37.5	Beveling Tool Inside (Dual Side)	37.5°	6"

COMPOUND BEVELLING TOOL				
SKETCH	MODEL	DESCRIPTION	ANGLE	LENGTH
	BTBT-30	Compound Bevel Tool Inside	10 x 30°	5"
	BTBDT-30	Compound Bevel Tool OutSide	10 x 30°	6"
	BTBT-37.5	Compound Bevel Tool Inside	10 x 37.5°	5"
	BTBDT-37.5	Compound Bevel Tool OutSide	10 x 37.5°	6"

COUNTERBORE TOOL			
SKETCH	MODEL	DESCRIPTION	DIMENSION
	CBT-15	Counterbore Tool	15°x 31.34 mm
	CBT-30	Counterbore Tool 30°x31.34 mm	30°x 31.34 mm

Note : For pipe counterboring used on counter boring tool slide

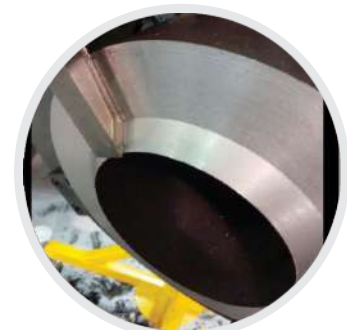
CUTTING TOOL					
MODEL	DESCRIPTION	ANGLE	LENGTH	WIDTH	SKETCH
HTC - 1	Heavy Duty Cutting Tool (Side One)	90°	6"	1"	
HTCT - 2	Heavy Duty Cutting Tool (Side Two)	90°	6"	1"	
HCBT-37.5-1	Heavy Duty Cutting & Bevelling Tool (Side One)	37.5°	6"	1"	
HCBT-37.5-2	Heavy Duty Cutting & Bevelling Tool (Side Two)	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°

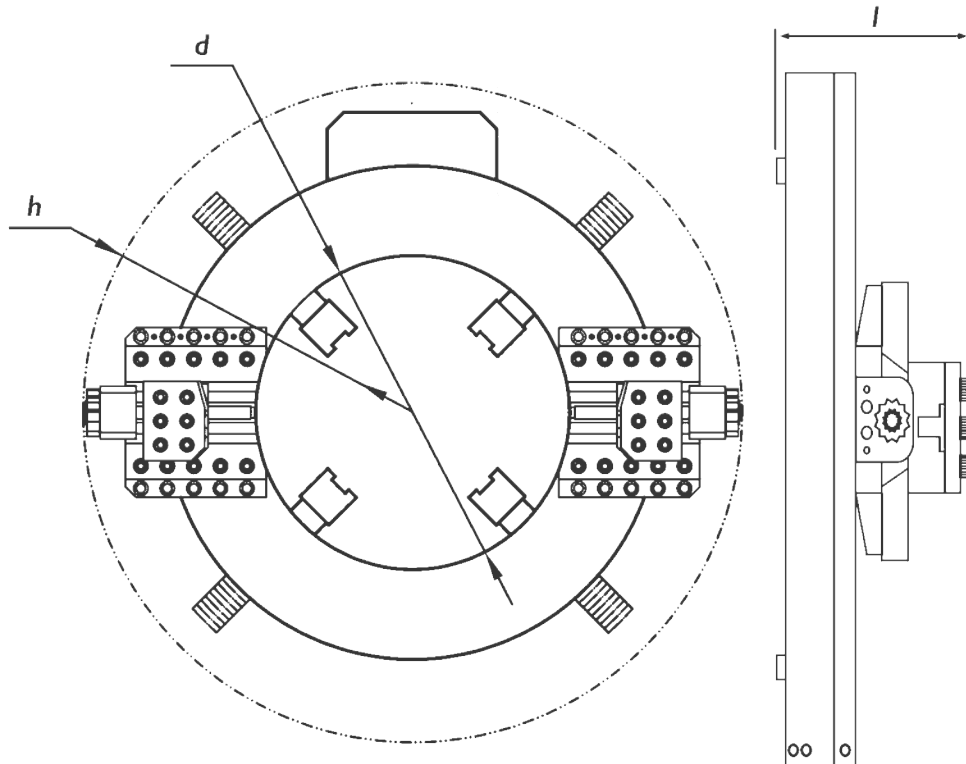


Angle 90°



Angle 10x37.5°

SPECIFICATION AXIAL RING SIZE / STANDARD TOOL SLIDE



MODEL NO.	WORKING RANGE		STANDARD TOOL SLIDE		
	INCH	mm	d(mm)	h(mm)	l(mm)
BTOCB-3	1-3	25-89	90	132	159
BTOCB-6	2-6	50-168	170	227	171
BTOCB-9	3-8	80-230	232	253	171
BTOCB-10	4-10	100-275	280	275	171
BTOCB-12	6-12	150-325	330	300	171
BTOCB-14	8-14	219-377	380	328	171
BTOCB-16	10-16	273-426	430	351	172
BTOCB-18	12-18	300-457	460	367	172
BTOCB-20	14-20	355-508	510	396	181
BTOCB-22	16-22	400-560	560	420	182
BTOCB-24	18-24	457-610	612	445	182
BTOCB-26	20-26	508-660	670	475	182
BTOCB-28	22-28	560-715	715	495	185
BTOCB-30	24-30	600-762	765	520	185
BTOCB-32	26-32	660-813	830	555	187
BTOCB-36	30-36	762-914	915	592	194
BTOCB-42	36-42	914-1066	1070	619	194
BTOCB-48	42-48	1066-1230	1235	777	207
BTOCB-56	48-56	1230-1420	***	***	***

ID MOUNTED BEVELLING MACHINE

Products Features:

- Easier assembly and self-centering
- Ranges from 1 inch to 14 inches.
- Positioned in any direction
- Lightweight and compact
- Pneumatic and Electric drive option
- Interchangeable drives, Electric to pneumatic and vice versa
- Inline feeding



MODEL NO.	DRIVE	SUPPLY	MOTOR POWER	CLAMPING RANGE (mm)	WORKING RANGE (INCH) UPTO	WALL THICKNESS	ROTATIONAL SPEED	WORKING WEIGHT
BTID/P-1	Pneumatic	32CFM @ 6Bar	1HP	16-25	16-25	1"	66r/min	7 kg
BTID/E-1-1	Electric	110-115V IHP 50/60Hz	850W	16-25	16-25	1"	46 r/min	8kg
BTID/E-1-2	Electric	220-240V IHP 50/60Hz	850W	16-25	16-25	1"	46 r/min	8kg
BTID/P-3	Pneumatic	32CFM @ 6Bar	1HP	25-76	25-76	3"	66r/min	8.5kg
BTID/E-3-1	Electric	110-115V IHP 50/60Hz	850W	25-78	25-78	3"	48 r/min	9kg
BTID/E-3-2	Electric	220-240V IHP 50/60Hz	850W	25-78	25-78	3"	48 r/min	9kg
BTID/P-6	Pneumatic	32CFM @ 6Bar	1HP	60-159	60-159	6"	61 r/min	16kg
BTID/E-6-1	Electric	110-115V IHP 50/60Hz	1000W	60-159	60-159	6"	38r/min	17kg
BTID/E-6-2	Electric	220-240V IHP 50/60Hz	1000W	60-159	60-159	6"	38r/min	17kg
BTID/P-8	Pneumatic	42CFM @ 6Bar	1.5HP	65-210	65-210	8"	50 r/min	26 kg
BTID/E-8-1	Electric	110-115V IHP 50/60Hz	1200W	65-210	65-210	10"	24r/min	28kg
BTID/E-8-2	Electric	220-240V IHP 50/60Hz	1200W	65-210	65-210	10"	24r/min	28kg
BTID/P-14	Pneumatic	42CFM @ 6Bar	1.5HP	145-340	145-340	14"	18 r/min	46kg
BTID/E-14-1	Electric	110-115V IHP 50/60Hz	1500W	145-340	145-340	14"	20 r/min	48kg
BTID/E-14-2	Electric	220-240V IHP 50/60Hz	1500W	145-340	145-340	14"	20 r/min	48kg
BTID/P-16	Pneumatic	42CFM @ 6Bar	1.5HP	250-426	250-426	16"		
BTID/E-16-1	Electric	110-115 V IHP 50/60Hz		250-426	250-426	16"		
BTID/E-16-2	Electric	220-240 VIHP 50/60Hz		250-426	250-426	16"		

INTERNAL BEVEL TOOL CHART



FACING TOOL		
MODEL	DESCRIPTION	THICKNESS
ITFT-90-6	Facing Tool 90° (Set of 3 Tools)	6mm
ITFT-90-10	Cutting Tool Facing 90°, 10mm thick (Set of 3 Tools) Heavy Duty	10mm



EXTERNAL BEVEL TOOL		
MODEL	DESCRIPTION	THICKNESS
ITBT-30	External Bevel Tool 30° (Set of 3 Tools)	6mm
ITBT- 37.5	External Bevel Tool 37.5° (Set of 3 Tools)	10mm



INTERNAL BEVEL TOOL		
MODEL	DESCRIPTION	THICKNESS
ITBT- 30-6	Internal Bevel Tool 30° (Set of 3 Tools)	6mm
ITBT- 30-10	Internal Bevel Tool 30° (Set of 3 Tools) Heavy Duty	10mm
ITBT- 37.5-6	Internal Bevel Tool 37.5° (Set of 3 Tools)	6mm
ITBT- 37.5-10	Internal Bevel Tool 37.5° (Set of 3 Tools) Heavy Duty	10mm
ITBT- 15-6	Internal Bevel Tool 15° (Set of 3 Tools)	6mm
ITBT-15-10	Internal Bevel Tool 15° (Set of 3 Tools) Heavy Duty	10mm

Note : Also available in Large Sizes.



COMPOUND BEVEL TOOL		
MODEL	DESCRIPTION	THICKNESS
BTCBT-30	Compound Angle Bevel 10x30° (Set of 3 Tools)	10mm
BTCBT-37.5	Compound Angle Bevel 10x37.5° (Set of 3 Tools)	10mm

ID MOUNTED FLANGE FACING

ID Mounted Flange Facing machine is three piece mounting system makes setup and alignment of this machine quick and easy. It is lightweight, portable & Powerful. This machine allows you to face, bevel, turn pipe, valve and pipe flanges with ease.

Taking into consideration of industry noise pollution, we make this machine quite in operation.

Products Features:

- Easier assembly and self-centering ID mounted mechanical swelling, safe & reliable.
- Designed to process Beveling & facing of heavy-duty pipes and flanges.
- Process the flange face, seal groove, and serrated finish.
- Equipped with three-axis servo feed system, processes the complex end bevel.
- Swivel tool post for grooves, RTJ flanges and bevels.
- Continuous groove facing feeds.



TECHNICAL DETAILS						
MODEL	FACING DIAMETER RANGE		ID CLAMP RANGE	TOOL POST STROKE	FACING FEED RATE	RPM
	inch	mm.				
BTFF24	2-24"	50-610mm	50-610mm	50 (2")	0.14mm/0.66mm	0-42
BTFF40	6-40"	153 - 1000mm	153 - 1000mm	102 (4")	0.13mm/0.62mm	0-33
BTFF80	30-80"	762 - 2000mm	762 - 2000mm	102 (4")	0.13mm/0.60mm	0-20
BTFF120	45-120"	1150-3050mm	1150-3050mm	102 (4")	0.13mm/0.60mm	0-12

TECHNICAL DETAILS			
MODEL	"DRIVE POWER UNIT PNEUMATIC"	"AIR CONSUMPTION /SUPPLY REQUIRED"	Kg.
BTFF24	1.2 Hp	1.2m ³ /min	45
BTFF40	2.2 Hp	1.79 m ³ /min	121
BTFF80	4.0 Hp	2.89 m ³ /min	800
BTFF120	4.0 Hp	2.69 m ³ /min	1375

Note : Custom made sizes will be on customers request up to 178" / 4500 mm

OD MOUNTED FLANGE FACING MACHINE

OD mounted flange facing, Seal Groove Machining, Weld Preparation, Counter Boring.

The equipment adopts modular design concepts. Due to light weight, it can carry as well as maintain easily. It gives high efficiency and security.

Products Features:

- Designed to process Beveling and Facing of heavy-duty pipes & flanges
- OD mounted, mechanical swelling, Safe and Reliable
- Process the flange face, Seal Groove and serrated finish
- Equipped with three-axis servo feed system, process the complex end bevel
- Swivel tool post for grooves, RTJ flanges and bevels
- Continuous groove facing feeds



TECHNICAL DETAILS

MODEL	FACING DIAMETER RANGE		ID CLAMP RANGE	TOOL POST STROKE	RPM
	inch	mm.			
BTOD20	6-20"	150-500 mm	0-500 mm	≤110 mm	34
BTOD40	8-40"	200-1000 mm	0-1000 mm	≤110 mm	24
BTOD60	40-60"	1000-1500 mm	300-1500 mm	≤110 mm	23
BTOD100	60-100"	1500-2500 mm	610-2500 mm	≤110 mm	23
BTOD120	100-120"	2500-3000 mm	1000-3000 mm	≤110 mm	23

PLATE BEVELLING MACHINE-BTPB-I

Boltorq Plate Beveling machines features our Popular BTPB I, BTPB II, & BTPB III offers you the quality & reliability you need for accuracy and uniformity.

Boltorq Plate Beveling machines capable of bevel any material, clamps the plate having wall thickness ranges from up to 60 mm and angle up to 90 Highest model is BTPB III most powerful motor gives higher speed and productivity.

Products Features:

- The rear position of the reducer is conducive to the processing of narrow plates and is more secure.
- Separate design of the control box and electric box makes the operation safer.
- Use the dense tooth milling cutter to cut the groove, and the single blade milling is lighter.
- Processing groove surface finish Ra 3.26.3-, fully meet the pressure vessel welding requirements.
- Cold cutting groove operation, no oxidation layer on the groove surface.



BTPB Series

TECHNICAL PARAMETERS OF BTPB-I

Voltage	AC 380V 50Hz
Total Power	3400W
Spindle Speed	1050r/min
Feed Speed	0-1500mm/min
Milling Width	0-30mm
Max Single Milling Width	13mm
Milling Angle	10°-60°
Clamp Thickness	6-60 mm
Clamp Width	>100mm
Plate Length	>200mm
Workable Height	820-860mm
Net Weight	220kg
Processing Materials	Carbon Steel, Stainless Steel, Aluminium Alloy, Composite Plate

PLATE BEVELLING MACHINE - BTPB-II

The BTPB-II edge milling machine convenient movement and simple operation. It is suitable for small factories. The milling machine is equipped with commonly used CNC blades to make the customers use the cost more cheaply.

Products Features:

- The rear position of the reducer is conducive to the processing of narrow plates and is more secure.
- Separate design of the control box and electric box makes the operation safer.
- Use the dense tooth milling cutter to cut the groove, and the single blade milling is lighter.
- Processing groove surface finish Ra 3.26.3-, fully meet the pressure vessel welding requirements.
- Cold cutting groove operation, no oxidation layer on the groove surface.



TECHNICAL PARAMETERS OF BTPB-II	
Voltage	AC 380V 50Hz
Total Power	3400W
Spindle Speed	1050r/min
Feed Speed	0-1500mm/min
Milling Width	0-55mm
Max Single Milling Width	10-22mm
Milling Angle	0°-90°
Clamp Thickness	6-60mm
Clamp Width	>80mm
Plate Length	>300mm
Workable Height	820-860mm
Net Weight	195kg
Processing Materials	Carbon Steel, Stainless Steel, Aluminium Alloy, Composite Plate

PLATE BEVELLING MACHINE - BTPB-III

The BTPB-III edge milling machine convenient movement and simple operation. The finish of the groove is as high as Ra3.26.3-. it is suitable for small factories. The milling machine is equipped with commonly used CNC blades to make the customers use the cost more cheaply.

Products Features:

- The rear position of the reducer is conducive to the processing of narrow plates and is more secure.
- Separate design of the control box and electric box makes the operation safer.
- Use the dense tooth milling cutter to cut the groove, and the single blade milling is lighter.
- Processing groove surface finish Ra 3.26.3-, fully meet the pressure vessel welding requirements.
- Cold cutting groove operation, no oxidation layer on the groove surface.



BTPB Series

TECHNICAL PARAMETERS OF BTPB-III

Voltage	AC 380V 50Hz
Total Power	4800W
Spindle Speed	750-1050r/min
Feed Speed	0-1500mm/min
Milling Width	0-70mm
Max Single Milling Width	15-20mm
Milling Angle	0°-60°
Clamp Thickness	6-60mm
Clamp Width	>100mm
Plate Length	>300mm
Workable Height	820-860mm
Net Weight	220kg
Processing Materials	Carbon Steel, Stainless Steel, Aluminium Alloy, Composite Plate

SELF CENTRING MACHINE

Products Features:

- Revolutionary new cutting and bevelling system for pipes ideally suited but not limited to workshop and high productivity process environments.
- Similar principle to clamshell split frame cutting and bevelling machine.
- Out mounted, clamping by multiple joints.
- The tool post, power and tool bits can be exchanged for the split frame machine.
- Auto Feed Cutting and bevelling the Pipe at the same time, cost effective.
- Selectable operationa table and pipe carrier, can used to piece together into a logistic system.
- Can process material: Carbin steel, alloy steel, stainless steel, non ferrous metal, engineering plastic and cast steel
- This machine can be used to co-operate with orbital pipe cutting machine more powerful and widely.

"Electric: Carbon Brush, motor, high speed rotation, low-energy consumption electroc motor 110V or 220 V optional, Electric
 Power:1.43 KW 5060-Hz.

Numerical Controller: High Power serve motor, PLC control system, adjustable speed. Avoid dangerous process 220v single phase or 380v phase, 5060-Hz, 2.0 kw timing range 020-m/min; suitable for thick wall pipe, SS pipe, heavy duty cutting etc."



SPECIFICATION

MODEL		WORKING RANGE	WALL THICKNESS	ROTATING	MOTOR POWER
Electric	NC	OD mm	mm	RPM	kw
BTSCM-E-120	BTSD-120	Ø 20 - 120	≤20	0-33	1.43
BTSCM-E-170	BTSD-170	Ø 35-170	≤30	0-23	1.43
BTSCM-E-220	BTSD-220	Ø 76-220	≤30	0-18	1.43
BTSCM-E-320	BTSD-320	Ø 168-320	≤30	0-14	1.43
BTSCM-E-420	BTSD-420	Ø 273-420	≤30	0-14	1.43
BTSCM-E-520	BTSD-520	Ø 377-520	≤30	0-13	2
BTSCM-E-620	BTSD-620	Ø 457-620	≤30	0-13	2
BTSCM-E-720	BTSD-720	Ø 559-720	≤30	0-13	2

BOLTORQ ACCESSORIES

Boltorq Fixed & Folding Stands :

- Up to 1500kg load capacity
- Adjustable height up to 48"
- Option to choose from fix & folding base
- Standard v head cover to 12" & larger v head covers 24"
- Weight 8 kgs

PART NO.	DESCRIPTION	RANGE (INCH.)	WEIGHT (kgs.)
TPS 300	Tri Pipe Stand Base Unit Only		7.6
HST 300	Tri V Head	1/6-12	3.5
TVHL 300	Tri Large V Head	2-24	7.5
TPF-300	Tri Pipe Folding Stand		7.6



Scissor Clamps 1000 Series :

- Accurate pipe alignment of equal/ unequal on a center line.
- Easy operational hassle free & easily accessible for welding.



CARBON STEEL		
Part No.	Range (mm.)	Weight (kgs)
1000-1	10-70	2.1
1000-2	10-140	5.9
1000-3	75-330	26

STAINLESS STEEL		
Part No.	Range (mm.)	Weight (kgs)
1000-1SS	10-70	2.1
1000-2SS	10-140	5.9
1000-3SS	75-330	26

Spider Clamp 4000 Series :

- Consist of two separate clamps fixed on self centering shaft.
- Allow independent expansion of clamps operated by Knob and result perfect alignment for pipe to pipe/ pipe to Flange.
- Also available for Stainless Steel applications



CARBON STEEL		
Part No.	Range (mm.)	Weight (kgs)
4000-1	54-140	1.25
4000-2	85-220	3.6
4000-3	120-350	10.5
4000-4	180-520	27
4000-5	400-900	39

STAINLESS STEEL		
Part No.	Range (mm.)	Weight (kgs)
4000-1SS	54-140	1.25
4000-2SS	85-220	3.6
4000-3SS	120-350	10.5
4000-4SS	180-520	27
4000-5SS	400-900	39

BTSCC Single Chain Clamps :

- Options available to choose from Steel and CS.
- Easy adjustment.
- Different models covering range up to 72 inches.
- Double chain clamps also available for heavy walls thickness.
- Larger sizes also available on request.



CARBON STEEL			
Part No.	Range (mm.)	Range (inch.)	Weight (kgs)
BTSCC12	1-12	25-325	14
BTSCC20	4-20	102-510	33
BTSCC36	10-36	254-915	67
BTSCC72	10-72	254-1830	90

STAINLESS STEEL			
Part No.	Range (mm.)	Range (inch.)	Weight (kgs)
BTSCC12SS	1-12	25-325	14
BTSCC20SS	4-20	102-510	33
BTSCC36SS	10-36	254-915	67
BTSCC54SS	10-54	254-1375	82
BTSCC72SS	10-72	254-1830	90

Boltorq Fixed & Folding Stands :

- Boltorq heavy duty double chain reforming alignment clamp.
- Covers ranges from 10 upto 72 also available in steel.
- Reforms pipes on both sides of the weld joint to schedule 80 and above wall thicknesses.
- Heavy duty Jackbars are listed for the pipe range.



CARBON STEEL			
Part No.	Range (mm.)	Range (inch.)	Weight (kgs)
BDTCC36	254-915	10-36	100
BDTCC48	254-1220	10-48	126
BDTCC54	254-1375	10-54	136
BDTCC60	254-1525	10-60	149
BDTCC72	254-1830	10-72	176
BDTCC84	254-2135	10-84	200
BDTCC96	254-2440	10-96	226
BDTCC108	254-2745	10-108	251
BDTCC168	254-4270	10-168	367
BDTCC216	254-5490	10-216	455
BDTCC240	254-6100	10-240	500

STAINLESS STEEL			
Part No.	Range (mm.)	Range (inch.)	Weight (kgs)
BDTCC36SS	254-915	10-36	100
BDTCC48SS	254-1220	10-48	126
BDTCC54SS	254-1375	10-54	136
BDTCC60SS	254-1525	10-60	149
BDTCC72SS	254-1830	10-72	176
BDTCC84SS	254-2135	10-84	200
BDTCC96SS	254-2440	10-96	226
BDTCC108SS	254-2745	10-108	251
BDTCC168SS	254-4270	10-168	367
BDTCC216SS	254-5490	10-216	455
BDTCC240SS	254-6100	10-240	500

Pipe Alignment Clamp :

- Light weight and convenient for workshop
- Perfect for special pipework
- Durable



RED			
Part No.	Range (mm.)	Range (inch.)	Weight (kgs)
TZR 2	25-74	1-2.5	1.5
TZR 6	50-170	2-6	4
TZR 12	127-325	5-12	6.7

ONLINE BORING MACHINE

- BOLTORQ's Portable Line boring machines are mainly used in processing inner holes, concentric holes with space and ending pipe. Because of its very light weight and modular design, it can be adapted to variety of the narrow spaces, high altitude complex processing need. The machine with powerful machining capacity which widely services for many services for many fields such as "MINING, MARINE ENGINEERING, SHIPPING, PETROCHEMICAL, AND POWER PLANTS". Boring bar is made of 42 CR-MO, alloys and rotational structure's design is very precise, that can be assure the accuracy & efficiency of machining.
- Max boring range can be up to 600 mm, feed rate can be easily adjust in 0-0.5mm. Power unit includes "ELECTRIC & HYDRAULIC" power, which make much more convenience.
- Modular components make setup quick and easy.
- Fast and easy setup using high quality cast-iron set-up cones and spherical bearing mounts.
- Patented spherical bearing mounting system allows quick setup, with up to 5° of bearing misalignment.
- Typical set-up time for an experienced operator is 30 minutes or less.
- Feed Rate: 0-0.5 mm/rev

Powerful

- Up to 650 ft-lbs (881 NM) of torque at the bar –more than any other portable boring machine in its boring range.
- Specially-designed rotational drive unit provides 4:1 or optional 12:1 or worm gear reduction for increased torque at all speeds

ONLINE BORING MACHINE

- Through-bar design allows the rotational drive and feed unit to be mounted anywhere along the bar, even separately.
- Patented heavy-duty spherical bearing mounts ensure rigid attachment to the work piece, for more effective machining.

Versatile

- Highly customizable to meet a variety of needs.
- Available in electric, servo, hydraulic, or pneumatic motor configurations.
- Reversible electric motor.
- Fast, easy two-bolt change-out process to switch motors.
- Available in a variety of bar lengths, from 4 –24 feet (1219.2 –7315.2 mm).
- Bars are straightened, and have ½ inch or 12 mm square-broached tooling holes.
- Accessories allow the BB5000 to be used for blind boring, line boring, drilling, facing, and valve repair.

Compact

- Extremely compact for ease of use in cramped, tight work spaces.
- Drive & Feed can be mounted between bearings for use in even more confined spaces.



CARBON STEEL

Model	Boring Bar	Boring Diameter	RPM	Electric Motor	Axial Feed Travel	Max. Cutting Depth	Roughness of / Roundness / Tolerance	Facing Head	Boring Stroke
BTDG-160	40x1500 nm	45-200 mm	0-80	1.5 KW, DC motor		2 mm Single Side	Ra 3.2/ ≤0.02 mm	-	300mm (standard)
BTDG-50	50*1500	55-400 mm	0-45	220V, 1250 1800W	300-600 mm	-	-	-	-
BTDG- 50 IMP	50x1828 mm 50x2438 mm	55-44 mm (standingrd)	0-49, 49-98	110V/230V 50/60Hz, 1800W	-	-	-	-	280 mm
BTDG-60	30 & 60 mm	65-600 mm & 35-600 mm	0-120	Electric & hydraulic Motor	300-600 mm	-	-	70-300 mm 260-650 mm	-
BTDG-90	90 mm	95-800 mm	0-1200	Survo motor, Hy.Motor	-	-	-	0.148-0.298mm/rev	500/800 /100 mm
BTDG-110	110 mm	220-900 mm	5-30	Survo motor, Hy.Motor	-	-	-	-	3000, 4000, 50000, 6000mm
BTDG-150	150 mm	300-1200 mm	5-20	Survo motor, Hy.Motor	-	-	-	-	-
BTDG-200	200 mm	400-1500 mm	5-15	Survo motor, Hy. Motor	-	-	-	-	-
BTDG-250	250 mm	500-1800 mm	5-30	Survo motor, Hy. Motor	-	-	-	-	-

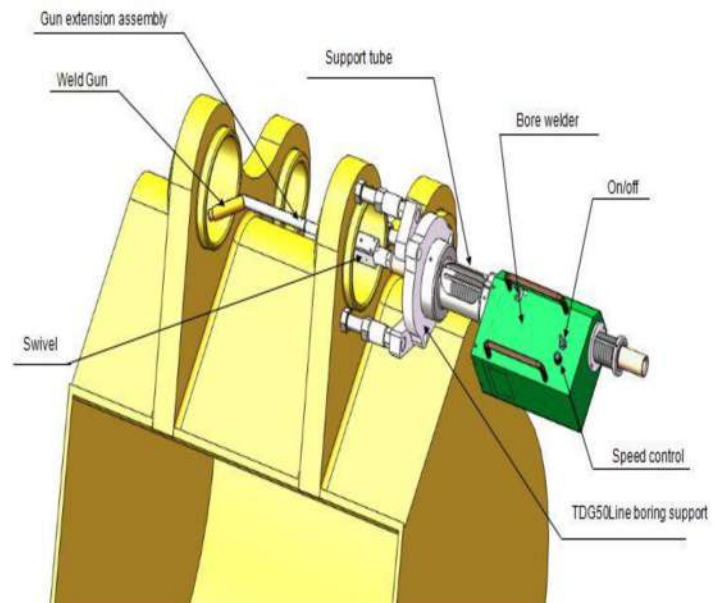
Auto Bore Welder, BW-360

Products Features:

- Revolutionary · BOLTORQ's BW360 Bore Welder Machine is a compact blend of simplicity, performance, and reliability, capable enough to tackle aggressive field applications with ease. BW360 interfaces directly with users existing MIG wire feed systems, providing fill capacity with burn back control for these functions, fully adjustable mechanical step, reversible weld direction, step lockout feature for face welding and optional remote pendant control.
- It is widely used in the repair of round holes such as pin holes and bearing holes of large scale equipment and engineering machinery.
- It is a good helper for industrial and mining enterprises and engineering site maintenance.



SPECIFICATION	
I.D. Weld range	40-600mm
O.D. Weld range	20-750mm
Face Welding	20-610mm
Standard Weld stroke:	300mm
Standard wire size	0.8-1.0mm
Welding Process	MIG
Standard step size	3mm
Amperage Rating:	140
Power Supply Requirements	120V/230V,50/60Hz



OUR OTHER PRODUCTS

BOLTING TOOLS



SOCKETS & ACCESSORIES



TORQUE MULTIPLIERS & WRENCHES



TUBE TOOLS



OUR ON SITE SERVICES EXPERTISE

Boltorq is a leader in providing specialty industrial bolting & on site pipe cutting by supplying highly productive and cost effective methods to various industries for nearly three decades. The Boltorq range of torque and tension bolting solutions has provided our customers with unmatched performance and integrity through technology, experience and expertise. We have earned an international reputation for reliable services and quality product due to our emphasis on continuous improvement and innovation. Our mission is to provide safe and innovative bolting solutions with a focus on world class customer service.

We provide comprehensive service packages of hydraulic torquing, tensioning and cold cutting including trained technicians for shutdown, maintenance for offshore onshore, new plant construction, power generation, wind turbine construction & maintenance along with other specialized bolting applications.

We have been operating the company in accordance with the major internationally known quality, environmental, health and safety accreditations. With an adequate workforce of skilled workers, experienced engineers and wide line of our certified & calibrated tools, we offer around the clock services 24 x 7.





Boltorq Pipe Schedule				
Pipe Size DN O.D. (mm)	Steel Schedule	Stainless Steel Schedule	Wall Thickness (mm)	Inside Diameter (mm)
6	10	10S	1.24	7.82
10.3 (NPS 1/8)	40, ST 80, XS	40S 80S	1.73 2.41	6.84 5.48
8	10	10S	1.65	10.40
13.7 (NPS 1/4)	40, ST 80, XS	40S 80S	2.24 3.02	9.22 7.66
10	10	10S	1.65	13.80
17.1 (NPS 3/8)	40, ST 80, XS	40S 80S	2.31 3.20	12.48 10.70
15	5	5S	1.65	18.00
21.3 (NPS 1/2)	10 40, ST 80, XS 160 XXS	10S 40S 80S - -	2.11 2.77 3.73 4.78 7.47	17.08 15.76 13.84 11.74 6.36
20	5	5S	1.65	23.40
26.7 (NPS 3/4)	10 40, ST 80, XS 160 XXS	10S 40S 80S - -	2.11 2.87 3.91 5.56 7.82	22.48 20.96 18.88 15.58 11.06
25	5	5S	1.65	30.10
33.4 (NPS 1)	10 40, ST 80, XS 160 XXS	10S 40S 80S - -	2.77 3.38 4.55 6.35 9.09	27.86 26.64 24.30 20.70 15.22
32	5	5S	1.65	38.90
42.2 (NPS 1 1/4)	10 40, ST 80, XS 160 XXS	10S 40S 80S - -	2.77 3.56 4.85 6.35 9.70	36.66 35.08 32.50 29.50 22.80
40	5	5S	1.65	45.00
48.3 (NPS 1 1/2)	10 40, ST 80, XS 160 XXS	10S 40S 80S - -	2.77 3.68 5.08 7.14 10.15	42.76 40.94 38.14 34.02 28.00
50	5	5S	1.65	57.57
60.30 (NPS 2)	10 40, ST 80, XS 160 XXS	10S 40S 80S - -	2.77 3.91 5.54 8.74 11.07	54.76 52.48 49.22 42.82 38.16
65	5	5S	2.11	68.78
73.0 (NPS 2 1/2)	10 40, ST 80, XS 160 XXS	10S 40S 80S - -	3.05 5.16 7.01 9.53 14.02	66.90 62.68 58.98 53.94 44.96
80	5	5S	2.11	84.68
88.9 (NPS 3)	10 40, ST 80, XS 160 XXS	10S 40S 80S - -	3.05 5.49 7.62 11.13 15.24	82.80 77.92 73.66 66.64 58.42
90	5	5S	2.11	97.38
101.6 (NPS 3 1/2)	10 40, ST 80, XS	10S 40S 80S	3.05 5.74 8.08	95.50 90.12 85.44

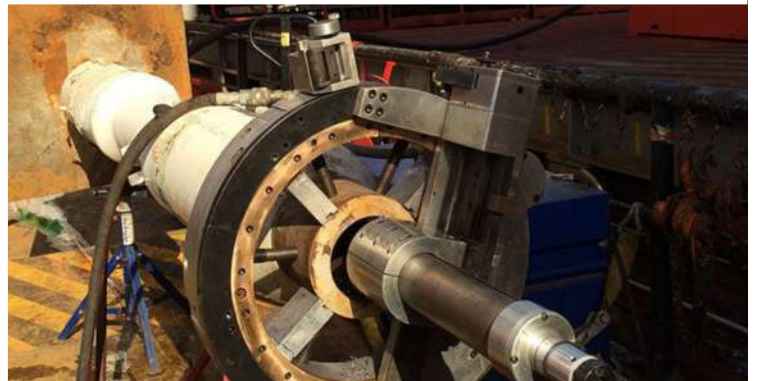
Boltorq Pipe Schedule				
Pipe Size DN O.D. (mm)	Steel Schedule	Stainless Steel Schedule	Wall Thickness (mm)	Inside Diameter (mm)
100	5	5S	2.11	110.10
114.3 (NPS 4)	10 40, ST 80, XS 120 160 XXS	10S 40S 80S - - -	3.05 6.02 8.56 11.13 13.49 17.12	108.20 102.30 97.20 92.00 87.30 80.10
125	5	5S	2.77	135.80
141.3 (NPS 5)	10 40, ST 80, XS 120 160 XXS	10S 40S 80S - - -	3.40 6.55 9.53 12.70 15.88 19.05	134.50 128.20 122.30 115.90 109.60 103.20
150	5	5S	2.77	162.70
168.3 (NPS 6)	10 40, ST 80, XS 120 160 XXS	10S 40S 80S - - -	3.40 7.11 10.97 14.27 18.26 21.95	161.50 154.10 146.40 139.80 131.80 124.40
200	5	5S	2.77	213.60
219.1 (NPS 8)	10 20 30 40, ST 60 80, XS 100 120 140 XXS 160	10S - - 40S - 80S - - - - -	3.76 6.35 7.04 8.18 10.31 12.70 15.09 18.26 20.62 22.23 23.01	211.60 206.40 205.00 202.70 198.50 193.70 188.90 182.60 177.90 174.60 173.10
250	5	5S	3.40	266.20
273 (NPS 10)	10 20 30 40, ST 60, XS 80 100 120 140, XXS 160	10S - - 40S 80S - - - - -	4.19 6.35 7.80 9.27 12.70 15.09 18.26 21.44 25.40 28.58	264.60 260.30 257.40 254.50 247.60 242.80 236.50 230.10 222.20 215.90
300	5	5S	3.96	315.90
323.8 (NPS 12)	10 20 30 ST 40 XS 60 80 100 120, XXS 140 160	10S - - 40S - 80S - - - - -	4.57 6.35 8.38 9.53 10.31 12.70 14.27 17.48 21.44 25.40 28.58 33.32	314.70 311.20 307.10 304.80 304.20 298.50 295.30 288.90 281.00 273.10 266.70 257.20



Boltorq Pipe Schedule				
Pipe Size DN O.D. (mm)	Steel Schedule	Stainless Steel Schedule	Wall Thickness (mm)	Inside Diameter (mm)
350 355.6 (NPS 14)	5	5S	3.96	347.70
	-	10S	4.78	346.00
	10	-	6.35	342.90
	20	-	7.92	339.80
	30, ST	40S	9.53	336.60
	40	-	11.13	333.30
	XS	80S	12.70	330.20
	60	-	15.09	325.40
	80	-	19.05	317.50
	100	-	23.83	308.00
	120	-	27.79	300.00
140	-	31.75	292.10	
160	-	35.71	284.20	
400 406.4 (NPS 16)	5	5S	4.19	398.00
	-	10S	4.78	396.80
	10	-	6.35	393.70
	20	-	7.92	390.60
	30, ST	40S	9.53	387.40
	40, XS	80S	12.70	381.00
	60	-	16.66	373.10
	80	-	21.44	363.50
	100	-	26.19	354.00
	120	-	30.96	344.50
	140	-	36.53	333.30
160	-	40.49	325.40	
450 457.0 (NPS 18)	5	5S	4.19	449.00
	-	10S	4.78	448.00
	10	-	6.35	445.00
	20	-	7.92	441.00
	ST	40S	9.53	438.00
	30	-	11.13	435.00
	XS	80S	12.70	432.00
	40	-	14.27	429.00
	60	-	19.05	419.00
	80	-	23.83	410.00
	100	-	29.36	398.00
120	-	34.93	387.00	
140	-	39.67	378.00	
160	-	45.24	367.00	
500 508.0 (NPS 20)	5	5S	4.78	498.00
	-	10S	5.54	497.00
	10	-	6.35	495.00
	20, ST	40S	9.53	489.00
	30, XS	80S	12.70	483.00
	40	-	15.09	478.00
	60	-	20.62	467.00
	80	-	26.19	456.00
	100	-	32.54	443.00
	120	-	38.10	432.00
	140	-	44.45	419.00
160	-	50.01	408.00	
550 559.0 (NPS 22)	5	5S	4.78	549.00
	-	10S	5.54	548.00
	10	-	6.35	546.00
	20, ST	-	9.53	540.00
	30, XS	-	12.70	534.00
	60	-	22.23	515.00
	80	-	28.58	502.00
	100	-	34.93	489.00
	120	-	41.28	476.00
	140	-	47.63	464.00
	160	-	53.98	451.00

Boltorq Pipe Schedule				
Pipe Size DN O.D. (mm)	Steel Schedule	Stainless Steel Schedule	Wall Thickness (mm)	Inside Diameter (mm)
600 610.0 (NPS 24)	5	5S	5.54	559.00
	10	10S	6.35	597.00
	20, ST	40S	9.53	591.00
	XS	80S	12.70	584.00
	30	-	14.27	581.00
	40	-	17.48	575.00
	60	-	24.61	560.00
	80	-	30.96	548.00
	100	-	38.89	532.00
	120	-	46.02	518.0
	140	-	52.37	505.00
160	-	59.54	491.00	
650 660.0 (NPS 26)	10	-	7.92	644.00
	ST	-	9.53	641.00
700 711.0 (NPS 28)	20, XS	-	12.70	635.00
	10	-	7.92	695.00
	ST	-	9.53	692.00
750 762.0 (NPS 30)	20, XS	-	12.70	686.00
	30	-	15.88	679.00
	5	5S	6.35	749.00
800 813.0 (NPS 32)	10	10S	7.92	746.00
	ST	-	9.53	743.00
	20, XS	-	12.70	737.00
850 864.0 (NPS 34)	30	-	15.88	781.00
	40	-	17.48	778.00
	10	-	7.92	797.00
900 924.0 (NPS 36)	ST	-	9.53	794.00
	20, XS	-	12.70	788.00
	30	-	15.88	781.00
1050 1067.0 (NPS 42)	40	-	17.48	778.00
	10	-	7.92	848.00
	ST	-	9.53	845.00
1200 1219.0 (NPS 48)	20, XS	-	12.70	839.00
	30	-	15.88	832.00
	40	-	17.48	847.00
1500 1524.0 (NPS 60)	10	-	7.92	898.00
	ST	-	9.53	895.00
	20, XS	-	12.70	889.00
1800 1829.0 (NPS 72)	30	-	15.88	882.00
	40	-	19.05	876.00
	ST	-	9.53	1048.00
1500 1524.0 (NPS 60)	XS	-	12.70	1042.00
	-	-	19.05	1029.00
	-	-	31.75	1004.00
1200 1219.0 (NPS 48)	ST	-	9.53	1200.00
	XS	-	12.70	1194.00
	-	-	19.05	1181.00
1500 1524.0 (NPS 60)	-	-	31.75	1155.00
	-	-	9.53	1505.00
	-	-	12.70	1499.00
1800 1829.0 (NPS 72)	-	-	19.05	1486.00
	-	-	25.40	1473.00
	-	-	31.75	1461.00
1500 1524.0 (NPS 60)	-	-	12.70	1804.00
	-	-	19.05	1791.00
	-	-	25.40	1778.00
1800 1829.0 (NPS 72)	-	-	31.75	1766.00







BOLTORQ

- Inspiration Bolting Era, Accelerating Growth -

Registered Office : 303, Sterlite Point, Near Bedi Gate
Jamnagar 361001, Gujarat, India

Corporate Office : B-402, Titanium City Center, 100 Feet
Anaandnagar Road, Satellite, Ahmedabad-380015

Factory : Plot no. 22, Pramukh Industrial Park, Near Oriental, Opp. PBW Brass,
Kansumara, Jamnagar-361006

For more info :  www.boltorq.com |  **2882555121/9892703895**