

PROMOTECH®

PLATE BEVELLERS



PLATE BEVELLERS



PIPE BEVELLERS



PIPE BEVELLERS



*smart tools
for heavy tasks*

**PLATE AND PIPE
BEVELLERS**

BM-18

MULTITASK PLATE AND PIPE BEVELLER



Max bevel width
18 mm



Rounding edges
(option) R2, R3, R4 or R5



Top beveling



Bevel angles: 22.5°, 30°, 37.5°,
45°, 50°, 55°, 60°



Min plate thickness
2 mm



Arched edge
beveling



Countersinking
Min. ID 40 mm



Pipe OD beveling



Pipe ID beveling
Min. ID 40 mm



Features & benefits:

- Maximum 18 mm bevel width (more than one pass could be required)
- New more durable milling heads with hexagonal fixing for easy replacement
- Electronic speed control between 1800-5850 rpm for use on a variety of materials
- Continuous milling depth adjustment to fully control the bevelling process
- Overload protection to prevent motor damage
- Rounding radius R2, R3, R4, R5 on both straight and curved edges
- Optional accessories expand the possible applications of the BM-18 to deal with pipes and small workpieces



BM-18A

PNEUMATIC PLATE BEVELLER



Max. bevel width
18 mm



Rounding edges (option)
R2, R3, R4 or R5



Top beveling



Bevel angles 22.5°, 30°, 37.5°,
45°, 50°, 55°, 60°



Min. plate thickness
2 mm



Arched edge
beveling



Countersinking
Min. ID 40 mm



Features & benefits:

- Powerful pneumatic motor
- Maximum 18 mm bevel width (more than one pass could be required)
- New more durable milling heads with hexagonal fixing for easy replacement
- Continuous milling depth adjustment to fully control the bevelling process
- Rounding radius R2, R3, R4, R5 on both straight and curved edges



BM-20 Plus

PORTABLE BEVELLER



Max bevel width
21 mm



Facing off (option)



Top beveling



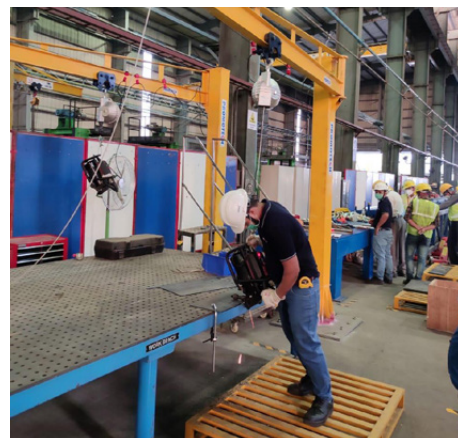
Bevel angles
15°-60° or 0° (option)



Round plate
beveling (option)



Pipe beveling
OD 150-300mm (option)
OD 260-600mm (option)



Features & benefits:

- Portable, heavy-duty machine
- Maximum 21 mm bevel width
- Continuously adjustable bevel angle between 15° and 60°
- Fitted with two rotary milling heads for smooth and efficient operation
- Continuous milling depth adjustment to fully control the beveling process
- Automatic motor overload protection to prevent motor damage
- Optional accessories extend the application possibilities of the BM-20plus for machining pipes, round plates and creating a flat surface at the of workpiece (facing off)

BM-21

INDUSTRIAL PLATE & PIPE BEVELLER



Max bevel width
21 mm



Facing off



Top beveling



Bevel angles
0-60°



Pipe beveling
OD 150-300 mm
OD 260-600 mm (option)



Features & benefits:

- mono block milling head equipped with 10 square inserts to make machining process far more efficient and much less operator fatiguing
- easy setting of bevel width up to 21 mm at 45°
- continuous angle adjustment from 0 to 60 degrees
- automatic motor overload protection to prevent motor damage
- quick and simple replacement of cutting inserts
- one universal guide plate for beveling both plates and pipes



BM-21S

STAINLESS STEEL BEVELLER



Max bevel width
21 mm



Facing off



Top beveling



Bevel angles
0-60°



Pipe beveling
OD 150-300 mm
OD 260-600 mm (option)



Features & benefits:

- guide plate with rolls made of stainless steel to protect the workpiece from contamination
- mono block milling head equipped with 10 square inserts to make machining process far more efficient and much less operator fatiguing
- easy setting of bevel width up to 21 mm at 45°
- continuous angle adjustment from 0 to 60 degrees
- automatic motor overload protection to prevent motor damage
- quick and simple replacement of cutting inserts
- one universal guide plate for beveling both plates and pipes

BM-25

PLATE BEVELING MACHINE



Max bevel width
25 mm



Min plate thickness
2 mm



Top beveling



Bevel angles 0° - 90°
15°-75° (recommended)



Features & benefits:

- maximum 25 mm bevel width (more than one pass could be required)
- continuously adjustable bevel angle between 0 and 90 degrees – one milling head in use only
- powerful motor with electronic speed control between 1800 - 5850 rpm to work with various materials
- a single head works with the face milling method, allowing less milling resistance and effort for the operator
- overload protection to prevent motor damage
- continuous milling depth adjustment to fully control the bevelling process
- adjustable handle and grip for comfort and ergonomics

SBM-500

STATIONARY BEVELING MACHINE



Bevel width
up to 30 mm



Workpiece height
from 3 mm up to 100 mm



Edge Beveling



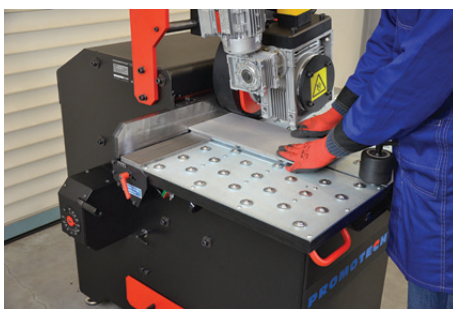
Bevel angles 15° - 60°
continuous adjustment



Min. workpiece width 50 mm
Min. workpiece length 150 mm



Pipe OD beveling
from 50 mm up to 150 mm
(option)



Features & benefits:










- precise setting of bevel angle from 15 up to 60 degrees and bevel width up to 30 mm
- 3D contact wheel control ensures proper workpiece alignment in relation to high speed rotary milling head
- variable auto-feed to bevel both ferrous and non-ferrous materials
- cutting inserts dedicated for optimal performance on different materials
- easy access to milling head and cutting inserts
- overload protection to prevent motor damage
- SBM-500 streamlines workflow to maximize your production efficiency

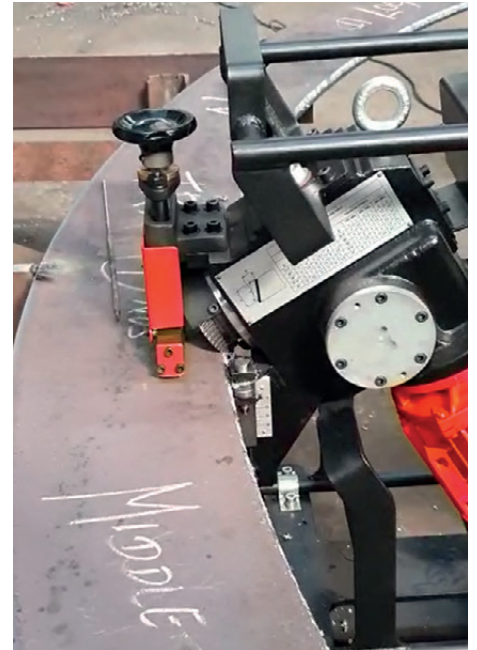


ABM-14

AUTO-FEED PLATE AND PIPE BEVELLER



-  Bevel width up to 14 mm
-  Facing off (option)
-  Min plate thickness 6 mm
Max plate thickness 40 mm
-  Min plate width 55 mm
-  Top beveling
-  Bottom beveling
-  Bevel angles 30°, (option): 22.5°, 25°, 35°, 37.5°, 45°
-  Round plate beveling (option)
-  Pipe OD beveling
Min. ID 100 mm (4")



Features & benefits:









- ABM-14 runs automatically along the edge of the long workpiece
- two optional trolleys to increase ergonomics, comfort and productivity
- standard shearing cutter for machining stainless/ alloyed steel
- two optional shearing cutters dedicated to carbon steel and to aluminum
- stationary operation is possible for machining small workpieces or pipes with ID > 100 mm (4")
- additional vertical roller guide enables machining concave edges if curvature radius is 1500 mm or more
- ABM-14 is low-noise machine



ABM-28

PORTABLE AUTO FEED MACHINE



-  Bevel width up to 35 mm
-  Facing off
-  Plate thickness
max 35mm 36-70mm (option)
-  Bevel angle from 60 to minus 60°
-  Top beveling
-  Bottom beveling
-  Clad removal (option)
depth up to 5 mm (0.2")
width up to 25 mm (1")
-  J-groove beveling (option)



Features & benefits:

- Auto feed beveling on steel plates on top, face and bottom edges
- Continuously adjustable bevel angle between 60 and minus 60 degrees - no need to rotate or flip heavy material enhancing safety and reducing material handling time and expense
- Max. bevel width from 28 up to 35 mm depending on the beveled angle
- Variable feed control for work on a variety of steel grades and thicknesses up to 35 mm as standard or optionally up to 70 mm thickness
- Motor overload protection to prevent motor damage
- Additional guide track are joinable to accomplish the required run length
- J-groove beveling available as option



ABM-30

AUTO TRAVEL TRACKLESS BEVELLER

NEW



Bevel width
up to 30 mm



Facing off



Plate thickness
max 60 mm



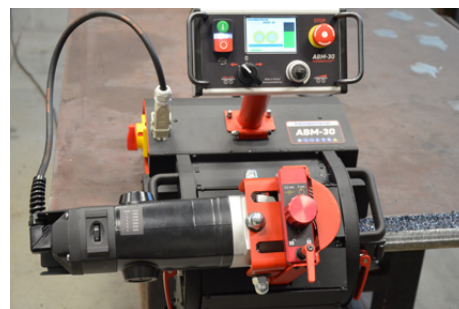
Bevel angle
between -70 and 70°



Top beveling



Bottom beveling



Features & benefits:

- 4-wheel drive eliminates a need for guide track
- self-propelled machine for consistent bevel geometry from edge to-edge
- control panel indicates current work mode and gives safety and diagnostic information
- capable of producing bevels up to 30 mm wide
- infinitely adjustable bevel angle between -70 and + 70 degrees
- produces double-side bevels without having to flip the plate enhancing safety and reducing material handling time and expense
- feedback-controlled overload system to prevent motor damage
- semi-automatic drive stop at plate end

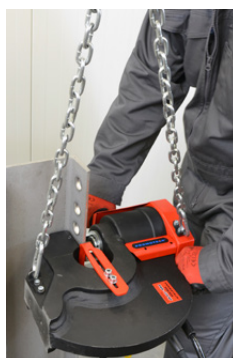
HD-CUT OIL 1

TAPPING, DRILLING AND MACHINING FLUID



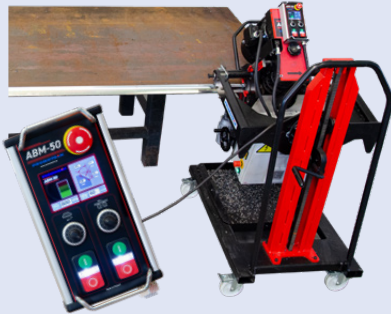
Features and benefits:






- extreme pressure full oil for cutting, boring, beveling, high thickness stamping, punching, works on stainless steels all nature, threading, machining, precision and high thickness boring, drawing and profiling of all high thicknesses kinds of steels
- complex oily composition for all operations on hard-to-machine metals such as acid resistant or stainless steel, where seizing and wear quickly happen
- builds high superficial tension film to extend the life of tools and reduce their replacement interval
- significantly facilitates machining and increases its precision
- excellent product for manual working
- deposition on the tools with a brush or with an oil-can
- easy to remove using standard methods
- thick dark oil
- weight 0.5 kg or 1.0 kg or 5.0 kg
- product codes:
 - OLJ-0505-09-00-00-0 (0.5 kg)
 - OLJ-0505-10-00-00-0 (1.0 kg)
 - OLJ-0505-11-00-00-0 (5.0 kg)



ABM-50

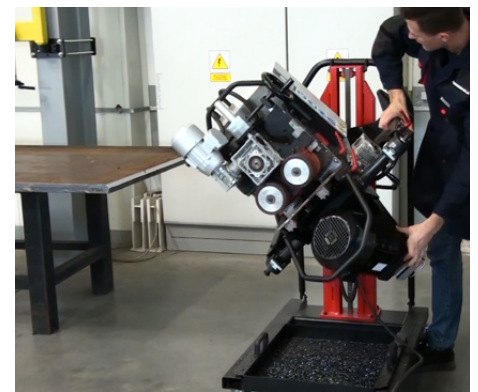
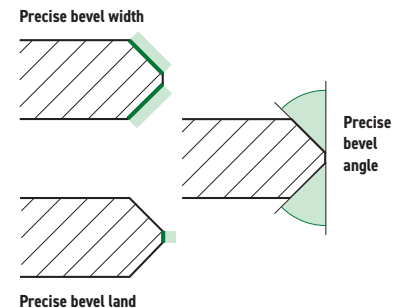
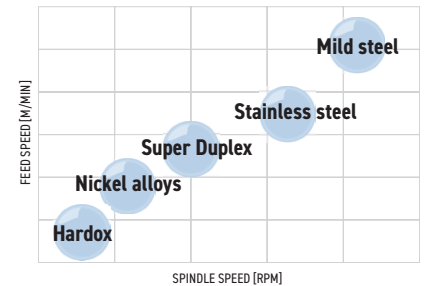
AUTO TRAVEL DOUBLE-SIDED BEVELLER



-  Bevel width
up to 50 mm / 45°
up to 66 mm / 15°
-  Min plate thickness 8 mm
Max plate thickness 80 mm
-  Bevel angles
top 15° - 60°, bottom 15° - 60°
-  Top beveling
-  Bottom beveling

Features & benefits:

- auto-feed machining to increase ergonomics, comfort and productivity
- bevel width up to 50 mm (2") at 45 degrees
- LCD display shows exact bevel geometry and cutting parameters in real time
- precise adjustment of spindle speed and feed rate according to material grade, including stainless steel, duplex, aluminum, etc.
- 180° inversion allows for creation of a double-sided bevel - no need to rotate or flip heavy material reduces material handling time and expense
- versatile and transportable on its own trolley
- feedback-controlled overload system to prevent motor damage



PRO-2 PB

COMPACT PIPE BEVELLER



Pneumatic motor

Electric motor

Battery drive



Max wall thickness
up to 8 mm



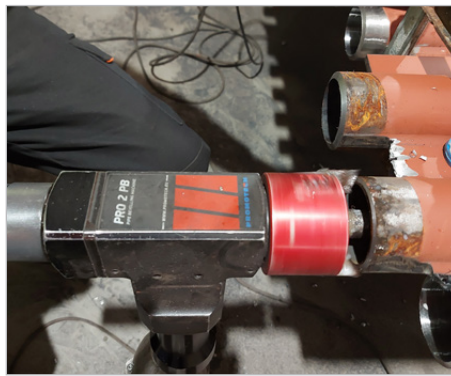
ID 19.5 - 38 mm
ID 15.5 - 22 mm (option)
ID 38 - 58 mm (option)



Facing off



Pipe OD beveling
up to 48 mm
up to 60.3 mm (option)



Features & benefits:

- machine covers a range of diameters from 15.5 mm ID up to 60.3 mm OD
- self-centering expandable ID mounted mandrels provide quick and proper alignment to a pipe or a tube prior to machining operations
- innovative expansion sleeves reduce fitting time and improve work flow
- standard and custom made tool bits available for creating various bevel angles
- up to two tool bits can be mounted and work, simultaneously to made weld prep operations fast and easy
- can be operated with a high quality powerful pneumatic motor, top quality high torque electric motor or battery drive depending on site conditions and customer preference
- end-user can choose from LiHD (High Density Lithium Ion) battery packs with capacities of 4.0 Ah, 5.5 Ah or 10.0 Ah, which have an extended lifespan, more power and longer operating time than standard lithium batteries

PRO-5 PB

PORTABLE PIPE BEVELLER



Pneumatic motor

Electric motor

Battery drive



Max wall thickness
12 mm up to OD 114 mm



ID 32-107 mm
25-32 mm (option)
107-133 mm (option)



Facing off



Pipe OD beveling
114 mm up to 140 mm (option)



J-groove beveling



Features & benefits:

- machine covers a range of diameters from 32mm ID up to 140 mm OD
- self-centering expandable ID mounted mandrels provide quick and proper alignment to a pipe or a tube prior to machining operations
- up to three tool bits can be mounted to bevel, face and counter-bore simultaneously to made weld prep operations fast and easy
- standard and custom made tool bits available for creating various bevel angles for V and J-groove preparation
- optional small spindle disc and ratchet wrench enable pipe machining in difficult to access and space restricted areas
- can be operated with a high quality powerful pneumatic motor, top quality high torque electric motor or battery drive depending on site conditions and customer preference
- end-user can choose from LiHD (High Density Lithium Ion) battery packs with capacities of 4.0 Ah, 5.5 Ah or 10.0 Ah, which have an extended lifespan, more power and longer operating time than standard lithium batteries







PRO-10 PB

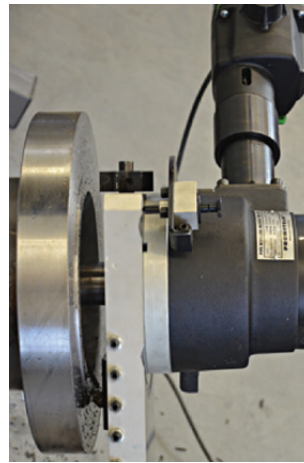
PORTABLE PIPE BEVELLER



Pneumatic motor

Electric motor

-  Max. wall thickness 15 mm
-  ID 84-269 mm
38-84 mm (option)
or 270-349 mm (option)
-  Facing off
-  Pipe OD beveling
-  Pipe ID beveling
-  J-groove beveling (option)



Features & benefits:









- heavy-duty, portable beveler designed to create a perfect weld prep edge prior to joining
- bevel, face and counter-bore simultaneously
- machine covers a range of diameters from 38 mm ID up to 355 mm OD
- standard and custom made tool bits available for creating various bevel angles for V and J-groove preparation
- up to three tool bits can be mounted to bevel, face and counter-bore simultaneously to make weld prep operations fast and easy
- self-centering expandable ID mounted mandrels enables highly repeatable and consistent fit-up and can be rapidly deployed from one pipe to another to reduce cycle times and improve work flow
- it can be used efficiently by a single operator



PRO-40 PBS

STATIONARY PIPE BEVELLING MACHINE



-  Max bevel width 45 mm
-  Min. wall thickness 5 mm
-  Bevel angle from -60° to 60°
-  Pipe OD 200-1000 mm
-  Facing off
-  Pipe OD beveling
-  Pipe ID beveling
-  J-groove beveling



Features & benefits:

- 200 mm to 1000 mm diameter capacity to cover most of the common applications
- continuously adjustable bevel angle between 0 and 60 degrees
- can bevel pipes made of carbon or stainless steel
- optional oval pipe tracking attachment enables consistent land/root face thickness (available either with brand new machine or for retrofitting)
- maximum allowed pipe weight up to 10.000 kg with optional steel rollers
- overload protection to prevent motor damage
- PRO-40 PBS produces accurate bevels in a fraction of the time required by traditional single-point machining, saving time, money and improving accuracy

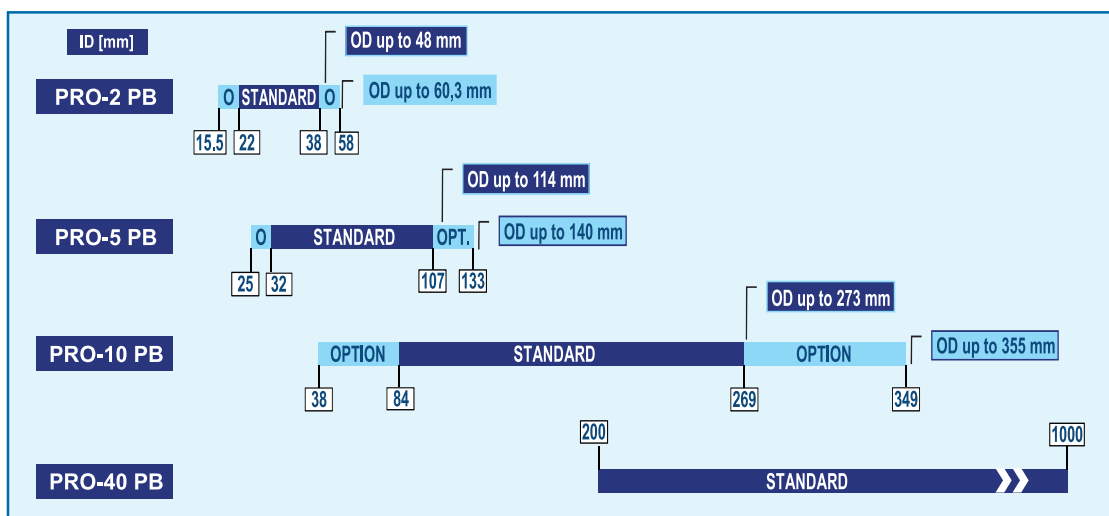


PLATE BEVELLERS FAMILY

	SINGLE	FACE-OFF	DOUBLE	J-GROOVE	RADIUS	ROUND	CLAD	OD	COUNTER-SINKING
ABM-14	X		X					X	
ABM-28	X	X	X	X			X		
ABM-30	X	X	X						
ABM-50	X		X						
BM-18	X				X	X		X	X
BM-18A	X				X	X			X
BM-20plus	X	X				X		X	
BM-21/BM-21S	X	X						X	
BM-25	X	X					X		
SBM-500	X		X					X	

	BEVEL ANGLES	MAX BEVEL WIDTH	PLATE THICKNESS	MOTOR TYPE
ABM-14	22.5°, 25°, 30°, 35°, 37.5° or 45°	14 mm	from 6 mm up to 40 mm	electric
ABM-28	- 60° to 0°; 0° to 60°	35 mm	up to 35 mm (70 mm option)	electric
ABM-30	- 70° to 0°; 0° to 70°	30 mm	from 8 mm up to 60 mm	electric
ABM-50	- 60° to - 15°; 15° to 60°	50 mm	from 8 mm up to 80 mm	electric
BM-18	22.5°, 30°, 37.5°, 45°, 55° or 60°	18 mm	min. 2 mm	electric
BM-18A	22.5°, 30°, 37.5°, 45°, 50°, 55° or 60°	18 mm	min. 2 mm	pneumatic
BM-20plus	15° to 60° or 0° (option)	21 mm	min. 2 mm	electric
BM-21/BM-21S	0° to 60°	21 mm	min. 2 mm	electric
BM-25	0°-90° (15°-75° recommended)	25 mm	min. 2 mm	electric
SBM-500	15° to 60°	30 mm	from 3 mm up to 100 mm	electric

PIPE BEVELLERS RANGE



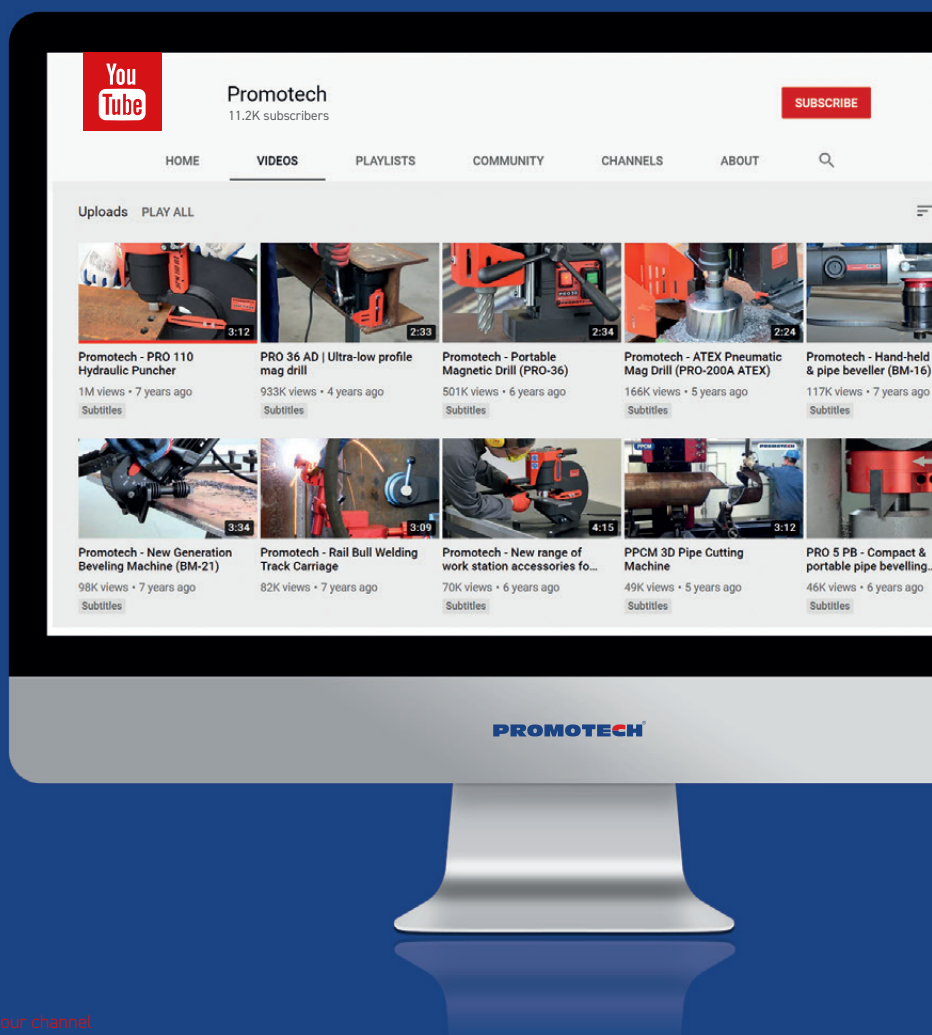
	OD BEVEL	FACE-OFF	ID BEVEL	J-GROOVE	FLANGE FACING
PRO-2 PB	X	X			
PRO-5 PB	X	X	X	X	
PRO-10 PB	X	X	X	X	X
PRO-40 PBS	X	X	X	X	

	BEVEL ANGLES	PIPE WALL THICKNESS	MOTOR TYPE
PRO-2 PB	F0°, B30°, B37.5°, B45°	up to 8 mm	electric, pneumatic, battery
PRO-5 PB	F0°, J10°, IC15°, J15°, J20°, B30°, B37.5°, B45°	up to 12 mm	electric, pneumatic, battery
PRO-10 PB	F0°, IC15°, J15°, J20°, B30°, IB30°, B37.5°, IB37.5°, B45°, IB45°	up to 15 mm	electric, pneumatic
PRO-40 PBS	0° to 60° or -60° to 0° (option)	minimum 5 mm	electric

B - bevel tool bit, F - facing tool bit, IB - internal beveling, IC - internal calibration tool bit, J - J-groove tool bit

PROMOTECH®

smart tools for heavy tasks



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