

PROMOTECH®

PLATE BEVELLERS



PLATE BEVELLERS



PIPE BEVELLERS



PIPE BEVELLERS



*smart tools
for heavy tasks*

**PLATE AND PIPE
BEVELLERS**

BM-7

COMPACT PLATE AND PIPE BEVELLER



Bevel width
up to 7 mm



Bevel radius
R2, R3, R4 or R5



Top beveling



Bevel angles
45°, 30° (option)



Min plate thickness
1.5 mm



Arched edge
beveling



Countersinking
Min. ID 40 mm



Pipe OD beveling



Pipe ID beveling
Min. ID 40 mm



Features & benefits:

- compact and lightweight beveling machine for milling plates, pipes and contour profiles
- excellent for areas with limited access
- continuous bevel width adjustment up to 7 mm
- creates a perfect radius (R2, R3, R4 or R5) in just one pass, saving time and money over conventional grinding methods
- one single 45 degrees milling head for both radius and V bevels
- quick and simple replacement of cutting inserts
- handy, simple and easy to use beveler



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



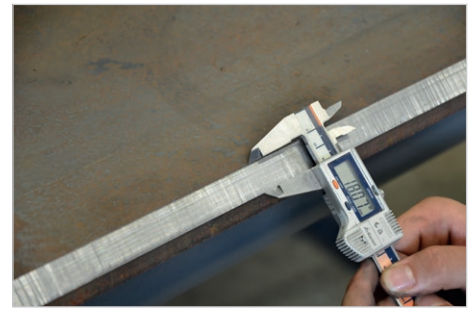
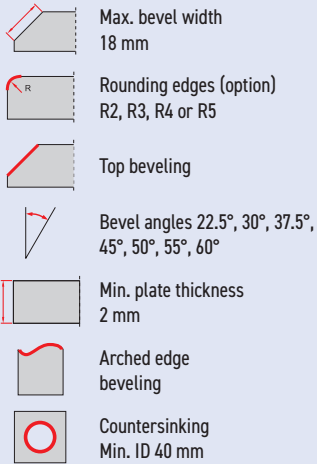
Features & benefits:

- 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 beveling 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



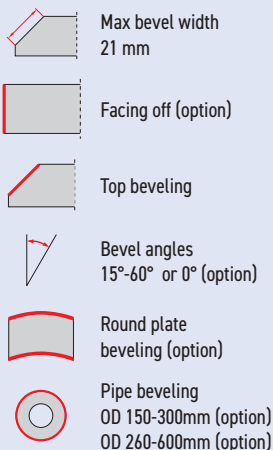
Features & benefits:

- 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



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 bevelling 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 PLATE & PIPE BEVELER



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)



Pipe OD beveling
min. OD 100 mm (4") (option)



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



BM-25S

PLATE BEVELING MACHINE



Max bevel width
25 mm



Min plate thickness
2 mm



Top beveling



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

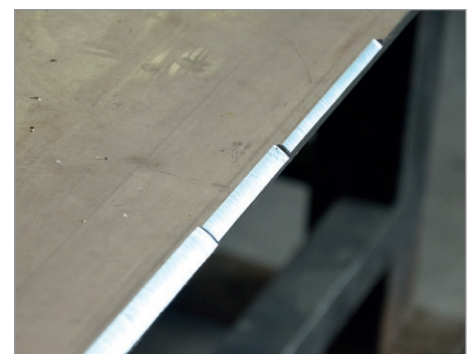
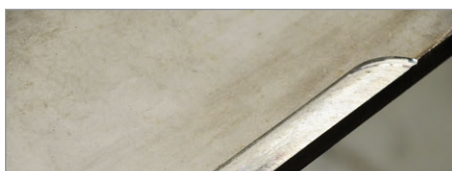


Pipe OD beveling
min. OD 100 mm (4") (option)



Features & benefits:

- contamination-free stainless steel processing
- 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
- milling head is equipped with 5 pcs of 4-sided indexable cutting inserts
- adjustable handle and grip for comfort and ergonomics



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



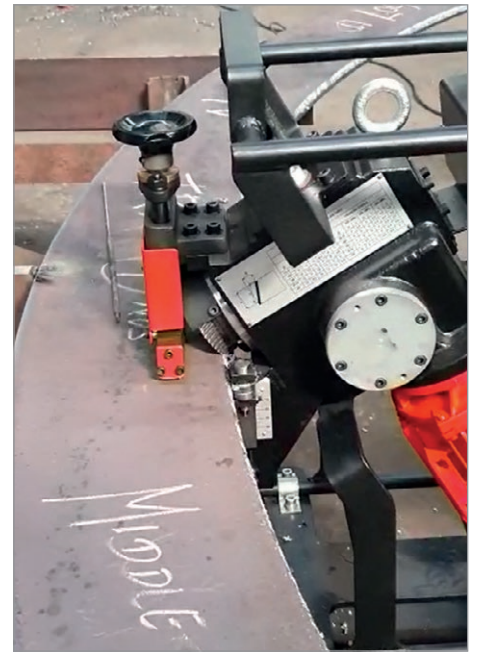
Bevel angles 30°,
(option): 22.5°, 25°, 35°,
37.5°, 45°



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-29

AUTO-FEED DOUBLE-SIDE HEAVY DUTY PORTABLE BEVELLER



Bevel width
up to 29 mm



Max plate thickness
50 mm



Top beveling



Bottom beveling



Bevel angles
top 20° - 45°
bottom 20° - 45°

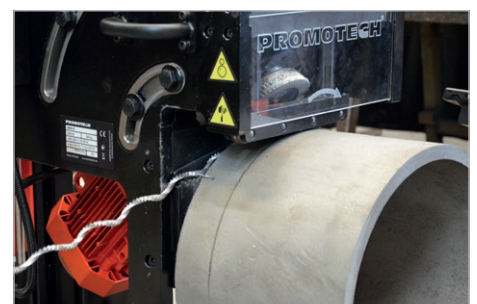
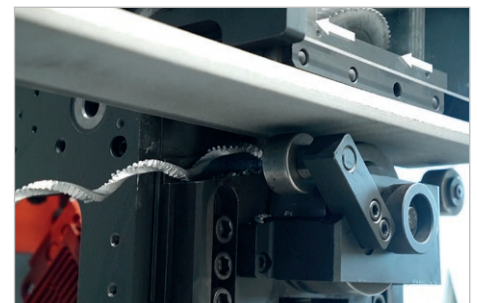


Pipe OD beveling
Min. ID 150 mm (6")



Features & benefits:







- Heavy-duty beveler which auto travels along an edge of a plate with speeds of up to 1.7 m/min.
- Up to 20 mm bevel width in one run and maximum 29 mm bevel width after multi passes
- Continuous milling height/bevel width adjustment
- Continuous bevel angle adjustment between 20 and 45 degrees
- Integrated trolley to facilitate top & bottom beveling with height adjustment between 685 and 1000 mm
- Stationary operation for machining small workpieces
- Pipe machining with minimum ID 150 mm (6")
- Overload protection
- Reverse travel mode to free jammed tool
- ABM-29 is a low-noise machine



ABM-30

AUTO TRAVEL TRACKLESS BEVELLER

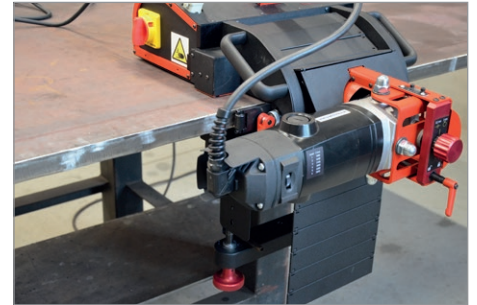


-  Bevel width up to 30 mm
-  Facing off
-  Plate thickness max 60 mm
-  Bevel angle between -70 and 70°
-  Top beveling
-  Bottom beveling



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

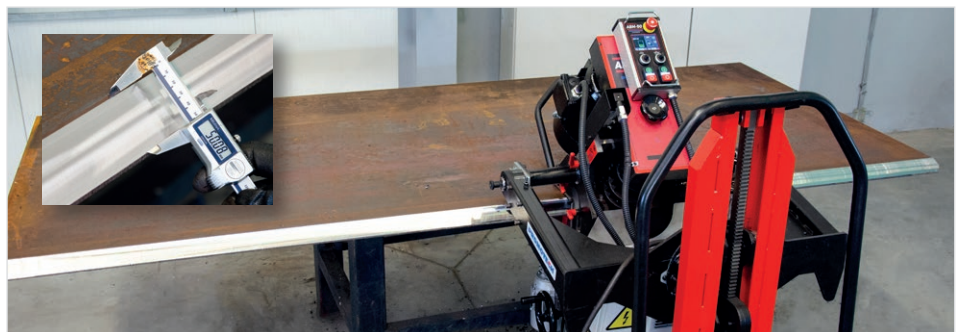


ABM-50

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:

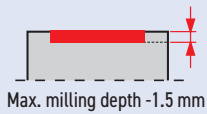
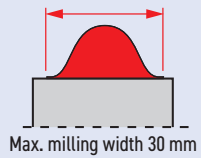
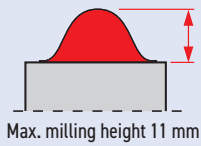
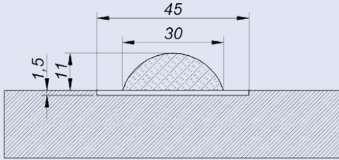
- auto-feed machining to increase ergonomics, comfort and productivity
- bevel width up to 50 mm (2") at 45 degrees
- LCD display shows exact bevel geometry and cutting parameters in real time
- precise adjustment of spindle speed and feed rate according to material grade, including stainless steel, 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



BM-30 WM

WELD MILLING MACHINE

NEW



Features & benefits:

- Comfort and ergonomics of work
- Powerful electric motor
- Removal of excess weld up to 11 mm high and 30 mm wide
- Possibility of undercutting to a depth of up to 1.5 mm
- Continuous milling height adjustment
- Milling head is equipped with 5 pcs of 2-sided indexable cutting inserts
- Electronic speed control between 1800-5850 rpm
- Overload protection

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

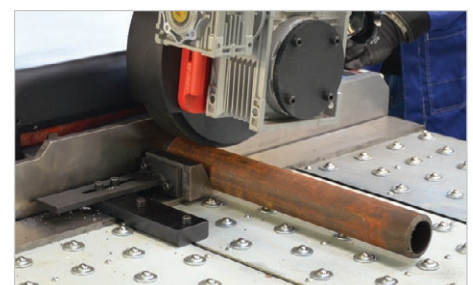


Pipe OD beveling
from 50 mm up to 150 mm (option)



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



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

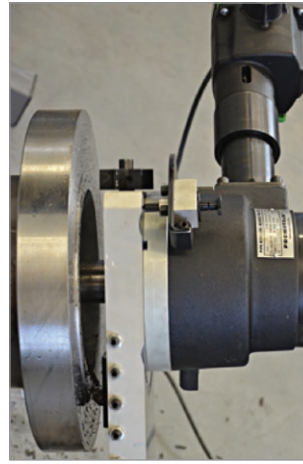
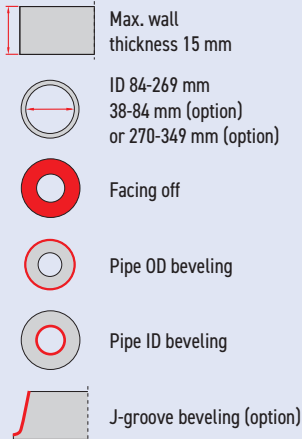
PRO-10 PB

PORTABLE PIPE BEVELLER



Pneumatic motor

Electric motor



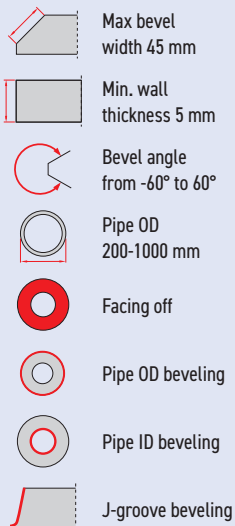
Features & benefits:

- heavy-duty, portable beveler designed to create a perfect weld prep edge prior to joining
- machine covers a range of diameters from 38 mm ID up to 355 mm OD
- available with a powerful pneumatic motor or a high-torque electric motor
- spindle disc with two tool bit holders for more stable, less stress-sensitive operation of tool bits
- standard and custom made tool bits available for creating various bevel angles for V and J-groove preparation
- 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



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

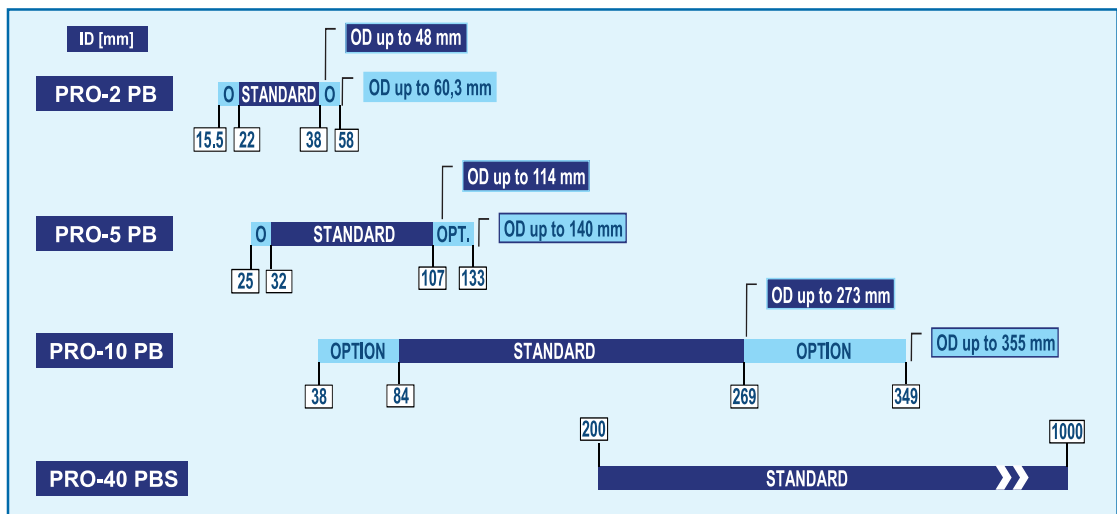


PLATE BEVELLERS FAMILY

	SINGLE	FACE-OFF	DOUBLE	J-GROOVE	RADIUS	ROUND	CLAD	OD	COUNTER-SINKING
ABM-14	X		X					X	
ABM-29	X		X						
ABM-30	X	X	X						
ABM-50	X		X						
BM-7	X				X	X		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 / BM-25S	X	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-29	top 20° - 45°, bottom 20° - 45°	29 mm	up to 50 mm	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-7	45°, 30° (option)	7 mm	min. 1.5 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 DIAMETERS RANGE



PIPE BEVELLERS FAMILY

	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

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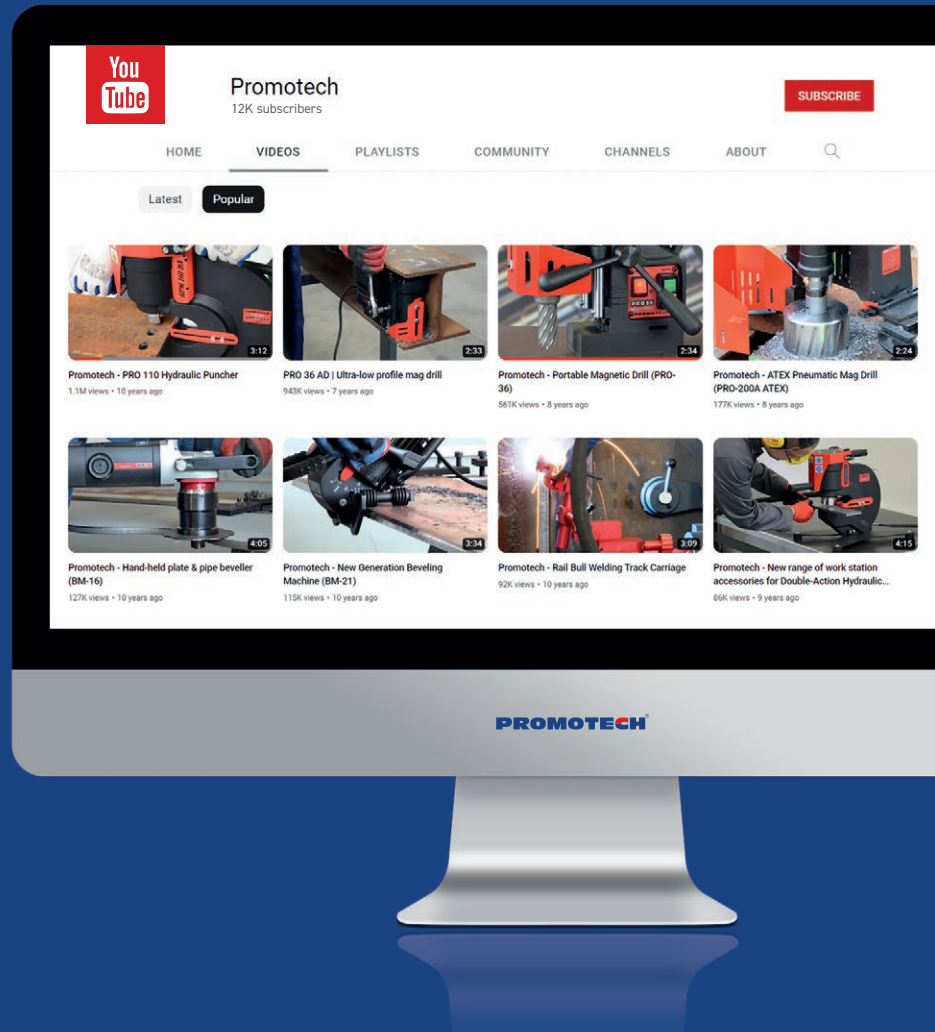
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