

## PRO-10 PB | PORTABLE PIPE BEVELER & FLANGE FACER

PRO-10 PB is a heavy-duty ID mounted pipe beveller utilizing self-centering expandable mandrels to provide quick and proper alignment to a pipe or a tube prior to machining operations.

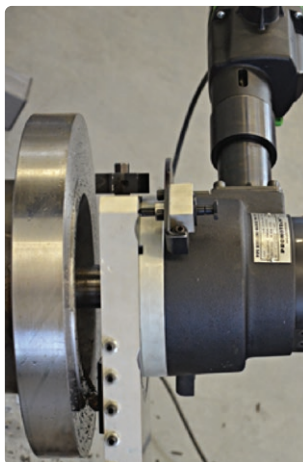
The beveller is capable of milling the OD bevel, root face and ID counterbore to create a uniform wall thickness around the joint and ensure full weld penetration.

Optional accessories extend the possible applications of the PRO-10 PB to include flange facing and oval beveling.



### Features and benefits:

- can be mounted in pipe or tubing with a minimum inside diameter of 38 mm (1.5") and bevel outside diameters up to 355 mm (14")
- 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
- J-bevel tool bits available for high welding efficiency on thicker walled pipe
- self-centering expandable ID mounted mandrels enable highly repeatable and consistent fit-up and can be rapidly deployed from one pipe to another to reduce cycle times and improve workflow
- it can be used efficiently by a single operator



Max. wall  
thickness 15 mm



ID 84-269 mm  
38-84 mm (option)  
or 270-349 mm (option)



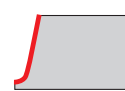
Facing off



Pipe OD  
beveling



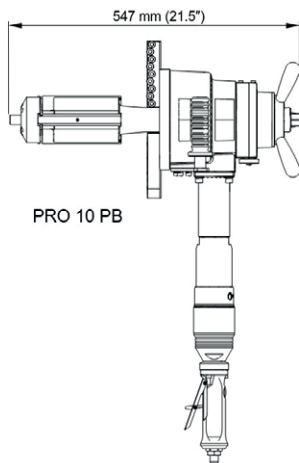
Pipe ID  
beveling



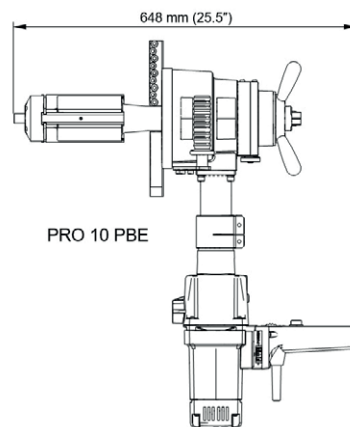
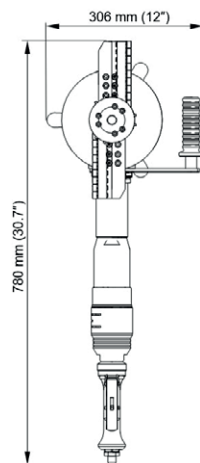
J-groove beveling  
(option)

Technical specifications	PRO-10 PB with electric motor	PRO-10 PB with pneumatic motor
Electric motor	1.8 kW	-
Supply	110-120 V / 50-60 Hz or 220-240 V / 50-60 Hz	-
Rotational speed (nominal)	gear 1-12 to 29 rpm gear 2-41 to 96 rpm	- -
Pneumatic drive	-	1,8 kW
Air requirement	-	0,6 MPa
Air consumption	-	1750 NI/min
Rotational speed (without load)	-	17 rpm
Rotational speed (nominal)	-	9 rpm
Min ID	84 mm (3.31"); 38 mm - option	84 mm (3.31"); 38 mm - option
Max ID	269 mm (10.59"); 349 mm (13.74") - option	269 mm (10.59"); 349 mm (13.74") - option
Max OD	273 mm (10.75"); 355 mm (13.98") - option	273 mm (10.75"); 355 mm (13.98") - option
Max. wall thickness	15 mm (0.59")	15 mm (0.59")
Weight (incl. motor)	38 kg (84 lbs)	35 kg (77 lbs)

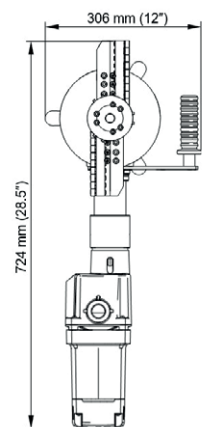
## Dimensions



PRO-10 PB with pneumatic motor



PRO-10 PB with electric motor



## Standard shipping set:

- PRO-10 PB (without motor, tool bits)
- Metal box
- Standard self-centering expandable mandrel for pipe ID Ø 84 – 269 mm (3.31 – 10.59")
- Jaw blocks (1,2,3,4,5,6) and adapter – 3 sets
- Set of tools
- Coolant container
- Operator's manual

Product code: UKS-0807-10-00-00-0



## Optional accessories



Pneumatic motor  
Product Code: SLN-0200-15-00-00-0



Electric motor 230 V  
Product Code: SLN-000094

Electric motor 115 V US plug  
Product Code: SLN-000102

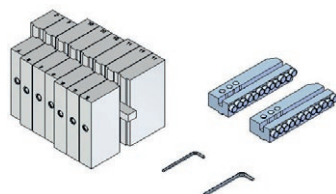
Electric motor 115 V UK plug  
Product Code: SLN-000120



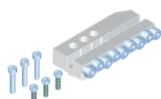
Connection set for electric motor  
Product Code: ZST-0200-99-01-00-0



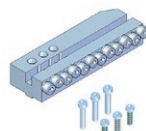
Spindle disc suitable for three tool bit holders  
Product code: TRC-0807-05-00-00-0



Extension set for OD Ø up to 355 mm (14")  
incl. 2 extended tool bit holders and jaws 7, 8, 9, 10, 11  
Recommended for pipe wall thickness up to 7 mm (0.26")  
Product Code: ZST-0807-08-00-00-0



Regular tool bit holder ID 84-269 mm max OD up to 273 mm  
Product code: OBS-0807-99-01-00-0



Extended tool bit holder max OD up to 355 mm  
Product code: OBS-0807-99-02-00-0



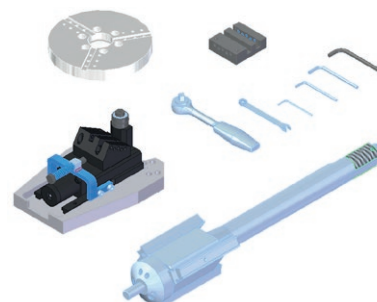
Air preparation set  
Product Code: ZST-000021



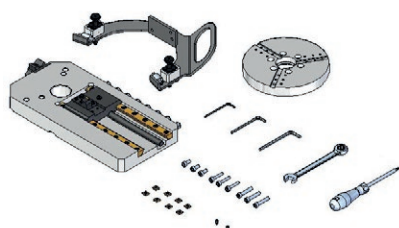
Small expanding mandrel set incl. jaws I, II, III, IV for pipe ID Ø 38 - 86 mm (1.5 to 3.39")  
Product Code: ZSP-0200-05-00-00-2



Large expanding mandrel for pipe ID Ø 126 - 296 mm (5 to 11.65") with standard jaws, and pipe ID Ø 219 - 376 mm (8.62 to 14.80") with optional extension set  
Product Code: TRZ-0807-99-00-00-0



Oval attachment set incl. large mandrel for pipe ID Ø 126 - 296 mm (5 to 11-5/8") and spindle disc for three tool bits holders  
Product Code: PRK-0807-07-00-00-0



Flange facing attachment incl. spindle disc for three tool bits holders  
Product Code: PRK-0807-06-00-00-0



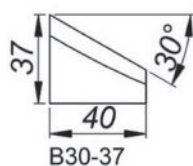
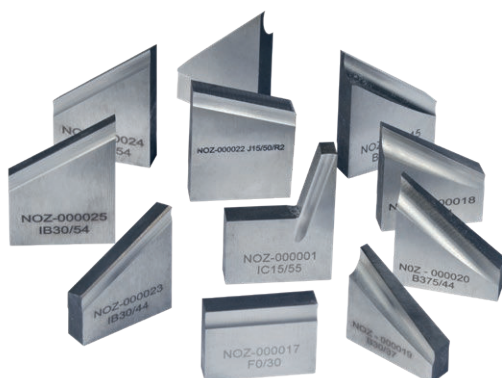
Flange facing insert  
Product Code: PLY-000533



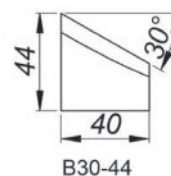
Flange facing insert fixing screw (suitable for cutting inserts PLY-000533)  
Product Code: SRB-000465

Flange diameter	90-508 mm (3.54-20")
Automatic feed range	180.5 mm (7.11")
Diameter of rotating parts	569.4 mm (22.42")
Pipe ID	84-269 mm (3.31-10.59") using the standard expanding mandrel 219-376 mm (8.62-13.74") using the large expanding mandrel and jaws from extension set
Feed per rotation	0.33 mm (0.013", with one tripper block engaged) 0.66 mm (0.026", with two tripper blocks engaged)

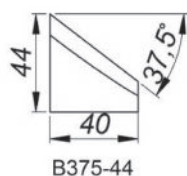
## Standard and custom made tool bits



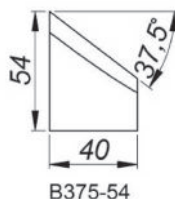
30° Beveling Tool Bit,  
Height 37 mm [B30/37]  
Product Code: NOZ-000019



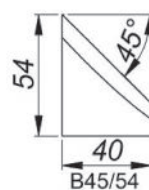
30° Beveling Tool Bit,  
Height 44 mm [B30/44]  
Product Code: NOZ-000018



37.5° Beveling Tool Bit,  
Height 44 mm [B375/44]  
Product Code: NOZ-000020



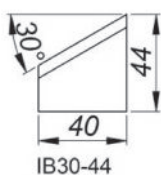
37.5° Beveling Tool Bit,  
Height 54 mm [B375/54]  
Product Code: NOZ-000015



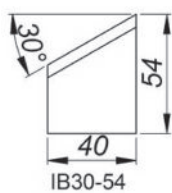
45° Beveling Tool Bit,  
Height 54 mm [B45/54]  
Product Code: NOZ-000021



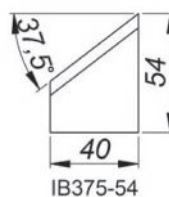
12° Special Tool Bit  
Height 60 mm  
Product Code: NOZ-000086



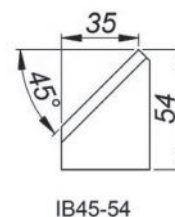
30° Internal Beveling Tool Bit,  
Height 44 mm [IB30/44]  
Product Code: NOZ-000023



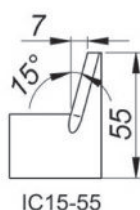
30° Internal Beveling Tool Bit,  
Height 54 mm [IB30/54]  
Product Code: NOZ-000025



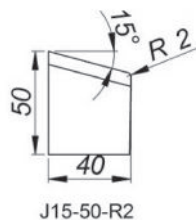
37.5° Internal Beveling Tool Bit,  
Height 54 mm [IB375/54]  
Product Code: NOZ-000024



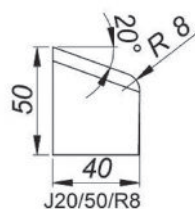
45° Internal Beveling Tool Bit,  
Height 54 mm [IB45/54]  
Product Code: NOZ-000026



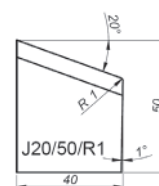
15° Internal Calibration Tool Bit,  
Height 55 mm  
[IC15/55]  
Product Code: NOZ-000001



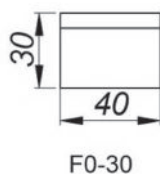
15° J-Beveling Tool Bit,  
Height 50 mm, Radius 2mm  
[J15/50/R2]  
Product Code: NOZ-000022



20° J-Beveling Tool Bit,  
Height 50 mm, Radius 8mm  
[J20/50/R8]  
Product Code: NOZ-000016



20° J-Beveling Tool Bit,  
Height 50 mm, Radius 1mm  
[J20/50/R1]  
Product Code: NOZ-000085



Facing Tool Bit,  
Height 30 mm [F0/30]  
Product Code: NOZ-000017

Custom made versions of tool bits are available on request.  
Tool bits could also be coated to increase their durability.

