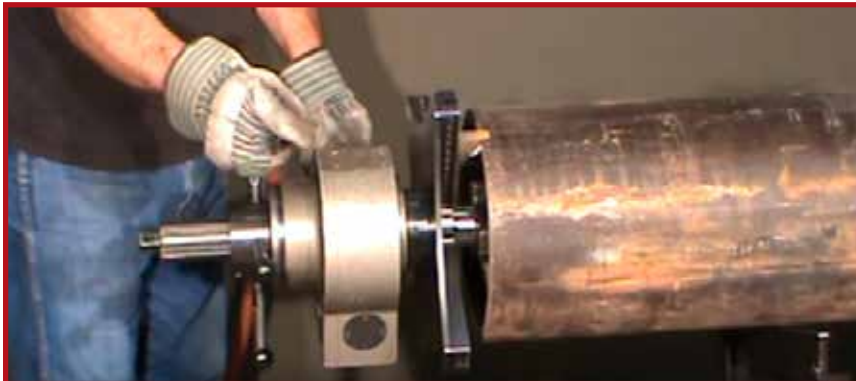


POWER BEVELERS (PB 6 - 12)

PIPE RANGE: 1.7 ID - 14 OD inches (43.2 ID - 355.6 OD mm)

03 | 2020
PB6-8-12

The **POWER BEVELERS** are a combination of power, versatility and reliability in a compact package. Designed to perform on-site machining with speed and accuracy, delivering optimal speed and torque combination to make short work of your pipe prep projects.



POWERFUL PERFORMANCE

3 Hp pneumatic motor with heavy duty gearing delivers the speed and torque to quickly cut heavy wall pipes of carbon, chrome moly, or stainless steel materials.

Torque-free operation locks the machine into the pipe allowing the operator to easily run the machine without requiring additional torque restraint.

Heavy duty tapered roller bearings for very rigid and smooth operation.

VERSATILITY

Select from 3 models sized to bevel 6, 8 and 12 inch (152.4, 203.2 or 304.8 mm) pipe.

Quick change mandrel allows the mandrel to be quickly removed from the power unit, reducing the weight.

Universal tool holder is designed to accept a variety of tooling, enabling you to perform up to three operations at the same time.

Variety of tooling options allow you to bevel, counter bore, and perform J-prep with high speed steel or indexable carbide tooling.

Three motor options to choose from allowing you the flexibility to power the machine anywhere – pneumatic, hydraulic, and electric.

RELIABILITY

Self centering 3 leg wedge system centers the tool in the pipe for accurate machining.

Lightweight aluminum alloy components for easy handling.

Easy grip feed handle with precision index ring makes feeding the tool to a required depth easy and accurate.

Integrated wedge system allows quick change of leg extensions.

Standard set screws allows for easy installation of the tool bits – no reaching around the tool to release the blade.

Corrosion resistant finish applied to external components prevents machine weathering.

CE Certified for use in the European Union or any country where CE certification is required.

	PB6 PIPE BEVELER	PB8 PIPE BEVELER	PB12 BEVELER
Machine Performance Ranges			
Working range inside diameter to outside diameter	1.7 ID – 7 OD inches (43.2 ID – 177.8 OD mm)	2 ID – 8.625 OD inches (50.8 ID – 219.1 OD mm)	3 ID – 14 OD inches (76.2 ID – 355.6 OD mm)
Radial tool clearance	7 inches (177.8mm)	9 inches (228.6 mm)	14 inches (355.6 mm)
Travel	3.0 inches (76.2mm)	3.5 inches (88.9 mm)	4.5 inches (114.3 mm)
Rotational Drive System			
Pneumatic motor	3.0 hp (2.2 kW)	3.0 hp (2.2 kW)	3.0 hp (2.2 kW)
Recommended air pressure	90 PSI (6.2 Bar)	90 PSI (6.2 Bar)	90 PSI (6.2 Bar)
Recommended volume	65 CFM (1.9 m3/min)	65 CFM (1.9 m3/min)	65 CFM (1.9 m3/min)
Speed	0 - 40 RPM	0 - 22 RPM	0 - 18 RPM
Electric motor	2.5 hp (1.9 kW), 110V 8.2A / 220V 16.4A		
Speed	0 - 52 RPM	0 - 37 RPM	0 - 32 RPM
Hydraulic motor	4.6 hp (3.4 kW)	5.36 hp (4.0 kW)	5.36 hp (4.0 kW)
Pump requirements	8 GPM@1500 PSI (30 lpm @ 103 Bar)	14.8 GPM @ 1700 PSI (56 lpm @ 117 Bar)	14.8 GPM @ 1700 PSI (56 lpm @ 117 Bar)
Speed	0 - 40 RPM	0 - 30 RPM	0 - 26 RPM
Measures			
Machine weight			
Pneumatic Complete machine	44 lbs (20 kg)	50.5 lbs (22.9 kg)	89 lbs (40.4 kg)
Machine without mandrel	36 lbs (16.3 kg)	40.5 lbs (18.4 kg)	69 lbs (31.3 kg)
Electric Complete machine	52 lbs (23.6 kg)	57.5 lbs (26 kg)	97 lbs (44 kg)
Machine without mandrel	44 lbs (20 kg)	47.5 lbs (21.5 kg)	77 lbs (34.9 kg)
Mandrel	8 lbs (3.6 kg)	10 lbs (4.5 kg)	20 lbs (9.1 kg)
Shipping weight			
Complete machine, pneumatic	120 lbs (54.4 kg)	132 lbs (59.9 kg)	170 lbs (77.1 kg)
Complete machine, electric	128 lbs (58.1 kg)	140 lbs (63.5 kg)	178 lbs (80.7 kg)
Dimensions			
Length (L x W x H)	20 x 10.5 x 25 inches (508 x 266.7 x 635 mm)	21 x 12 x 23 inches (533.4 x 304.8 x 584.2 mm)	23 x 12.5 x 25 inches (533.4 x 317.5 x 635 mm)
Crate dimensions (L x W x H)	28 x 24 x 11 inches (711.2 x 609.6 x 279.4 mm)	28 x 12 x 15 inches (711.2 x 304.8 x 381 mm)	28 x 16 x 15 inches (711.2 x 406.4 x 381 mm)

APPLICATIONS

The Pipe Bevelers are used by these industries

- Power Generation
- Fossil-Fuel Power Stations
- Gas Turbine Power Plants
- Pulp and Paper Plants
- Chemical Processing Plants
- Oil Refineries
- Ship Yards
- Water and Wastewater Treatment

Typical Applications:

- Pipe Lines
- Tube Repair
- Valve and Fittings
- Coupling Repair

All dimensions should be considered reference. Contact your H&S Tool Representative for precision dimensions. Specifications are subject to change without notice. Actual results for test data may vary depending on setup, machining conditions and machine maintenance. There are no systems or components on this machine that are capable of producing hazardous EMC, UV or other radiation hazards. The machine does not use lasers nor does it create hazardous materials such as gasses or dust.

TOOL CONFIGURATIONS

To order your **POWER BEVELER**, simply select from the options below.

- OPTION 1 PB6 POWER BEVELER** Working range 1.7 ID – 7 OD inch (43.2 ID – 177.8 OD mm)
- OPTION 2 PB8 POWER BEVELER** Working range 2 ID – 8.625 OD inch (50.8 ID – 219.1 OD mm)
- OPTION 3 PB12 POWER BEVELER** Working range 3 ID – 14 OD inch (76.2 ID – 355.6 OD mm)

OPTION 1 PB6 POWER BEVELER

Working range: 1.7 ID – 7 OD inches (43.2 ID – 177.8 OD mm)

To configure your machine, please follow these steps.

1. Select base model
2. Select wedge sets
3. Select optional tooling

1. Base model includes: motor option, 4 flute sliding tool holder, quick release mandrel, draw rod, hose with oiler, filter & swivel, wedge set (1.7 - 2.155 inches / 43.2 - 54.7 mm) tool kit, operator manual and custom shipping container.

3 HP Pneumatic motor, 0 - 40 RPM	HS-PB06-R
5.36 HP Hydraulic motor, 0 - 40 RPM	HS-PB06HY-R
2.5 HP 120V Electric motor, 0 – 52 RPM	HS-PB06EL120-R
2.5 HP 220V Electric motor, 0 - 52 RPM	HS-PB06EL220-R

2. Wedge sets

2.130 - 2.566 inches (54.102 - 65.176 mm)	HS-100050
2.538 - 2.980 inches (64.465 - 75.692 mm)	HS-100051
2.922 - 3.368 inches (74.219 - 85.547 mm)	HS-100052
3.310 - 3.760 inches (84.075 - 95.504 mm)	HS-100053
3.700 - 4.152 inches (93.980 - 105.461 mm)	HS-100054
4.094 - 4.556 inches (103.988 - 115.722 mm)	HS-100055
4.488 - 4.942 inches (113.995 - 125.527 mm)	HS-100056
4.882 - 5.336 inches (124.003 - 135.534 mm)	HS-100057
5.278 - 5.742 inches (134.061 - 145.847 mm)	HS-100058
5.674 - 6.130 inches (144.120 - 155.702 mm)	HS-100059
Full range, 2.130 - 6.130 inches (54.102 - 155.702 mm)	HS-100075

3. Tooling

S-37 wide, 37 OD bevel	HS-BLS37W
S-30 wide, 30 OD bevel	HS-BLS30W
S-F wide, 90° facing	HS-BLSFW
S-I, 10° ID bevel	HS-BLSI
S-I wide, 10° ID bevel	HS-BLSIW
SM-37, 37° OD bevel	HS-BLM37
SM-37-10, 37°, 10°, OD compound bevel	HS-BLM3710
SM-30, 30 OD bevel	HS-BLM30
SM-F, 90° facing	HS-BLMF
SM-I, 10° ID bevel	HS-BLMI10
SM-I narrow, 10° ID bevel	HS-BLMTI



The **PB6 POWER BEVELER** accepts S base blades for lighter wall applications giving you a more economical solution. SM base blades are also available for heavy wall applications.



Everything you need comes complete in a custom designed shipping container.



TOOL CONFIGURATIONS

OPTION 2 **PBS POWER BEVELER**

Working range: 2 ID – 8.625 OD inches (50.8 ID – 219.1 OD mm)

To configure your machine, please follow these steps.

1. Select base model
2. Select wedge sets
3. Select optional tooling
4. Select optional attachments



1. Base model *includes: motor option, sliding tool holder, quick release mandrel, end plate (1-3/4, 2-7/8 & 4 inches / 44.5, 73.1 & 101.6 mm) draw rod, hose with oiler, filter & swivel, flow control valve, tool kit, operator manual and storage case.*

3 HP Pneumatic motor, 0 - 22 RPM	HS-PB08PN
5.36 HP Hydraulic motor, 0 - 30 RPM	HS-PB08HY
2.5 HP 110V Electric motor, 0 - 37 RPM	HS-PB08E110-R
2.5 HP 220V Electric motor, 0 - 37 RPM	HS-PB08E220-R

2. Wedge sets

2 - 2.5 inches (50.8 - 63.5 mm)	HS-WS2-212
2.5 - 3 inches (63.5 - 76.2 mm)	HS-WS212-3
3 - 3.5 inches (76.2 - 88.9 mm)	HS-WS3-312
3.5 - 4 inches (88.9 - 101.6 mm)	HS-WS312-4
4 - 4.5 inches (101.6 - 114.3 mm)	HS-WS4-412
4.5 - 5 inches (114.3 - 127.0 mm)	HS-WS412-5
5 - 5.5 inches (127.0 - 139.7 mm)	HS-WS512-6
5.5 - 6 inches (139.7 - 152.4 mm)	HS-WS6-612
6 - 6.5 inches (152.4 - 165.1 mm)	HS-WS612-7
6.5 - 7 inches (165.1 - 177.8 mm)	HS-WS7-712
7 - 7.5 inches (177.8 - 190.5 mm)	HS-WS7-712
7.5 - 8 inches (190.5 - 203.2 mm)	HS-WS712-8
8 - 8.5 inches (203.2 - 215.9 mm)	HS-WS8-812
Full range 2 - 8.5 inches (50.8 - 215.9 mm)	HS-100076

5 in (127 mm) SCH 5, 5.345 inches (135.8 mm) ID	HS-260618
5 in (127 mm) SCH 10, 5.295 inches (134.5 mm) ID	HS-260619
6 in (152.4 mm) SCH 5, 6.407 inches (162.7 mm) ID	HS-260620
6 in (152.4 mm) SCH 10, 6.357 inches (161.5 mm) ID	HS-260621
8 in (203.2 mm) SCH 5, 8.407 inches (213.5 mm) ID	HS-260622
8 in (203.2 mm) SCH 10, 8.329 inches (211.6 mm) ID	HS-260623

3. Tooling

SM-37, 37° OD bevel	HS-BLM37
SM-37-10, 37°, 10°, OD compound bevel	HS-BLM3710
SM-30, 30 OD bevel	HS-BLM30
SM-F, 90° facing	HS-BLMF
SM-I, 10° ID bevel	HS-BLMI10
SM-I narrow, 10° ID bevel	HS-BLMTI

4. Attachments

Flange facer	HS-260-809
Elbow mandrel	HS-MTEM-260-709
Thin wall pads	
3 in (76.2 mm) SCH 10, 3.260 inches (82.8 mm) ID	HS-260625
4 in (101.6 mm) SCH 10, 4.260 inches (108.2 mm) ID	HS-260627



Wedge Set



Flange Facer Attachment



Elbow Mandrel Attachment



Thin Wall Pad Attachments

TOOL CONFIGURATIONS

OPTION 3 PB12 POWER BEVELER

Working range: 3 ID – 14 OD inches (76.2 ID – 355.6 OD mm)

To configure your machine, please follow these steps.

1. Select Base model
2. Select wedge sets
3. Select optional tooling
4. Select optional attachments



1. Base model includes: motor option, sliding tool holder, quick release mandrel, end plate (1-3/4, 2-7/8 & 4 inches / 44.5, 73.1 & 101.6 mm) draw rod, hose with oiler, filter & swivel, flow control valve, tool kit, operator manual and storage case.

3 HP Pneumatic motor, 0 - 18 RPM	HS-PB12PN
5.36 HP Hydraulic motor, 0 - 26 RPM	HS-PB12HY
2.5 HP 110V Electric motor, 0 - 32 RPM	HS-PB12E110-R
2.5 HP 120V Electric motor, 0 - 32 RPM	HS-PB12E220-R

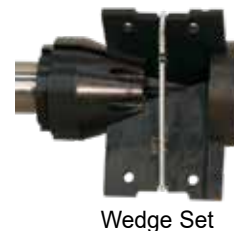
2. Wedge sets

3 - 4 inches (76.2 - 101.6 mm)	HS-WS3-4
3.5 - 4.5 inches (88.9 - 114.3 mm)	HS-WS312-412
4.5 - 5.5 inches (114.3 - 139.7 mm)	HS-WS412-512
5.5 - 6.5 inches (139.7 - 165.1 mm)	HS-WS512-612
6.5 - 7.5 inches (165.1 - 190.5 mm)	HS-WS612-712
7.5 - 8.5 inches (190.5 - 215.9 mm)	HS-WS712-812
8.5 - 9.5 inches (215.9 - 241.3 mm)	HS-WS812-912
9.5 - 10.5 inches (241.3 - 266.7 mm)	HS-WS912-1012
10.5 - 11.5 inches (266.7 - 292.1 mm)	HS-WS1012-1112
11.5 - 12.5 inches (292.1 - 317.5 mm)	HS-WS1112-1212
12.5 - 13.5 inches (317.5 - 342.9 mm)	HS-WS1212-1312
Full range 3 - 13.5 inches (76.2 - 342.9 mm)	HS-100077

8 in (203.2 mm) SCH 5, 8.407 inches (213.5 mm) ID	HS-260622
8 in (203.2 mm) SCH 10, 8.329 inches (211.6 mm) ID	HS-260623
10 in (254 mm) SCH 5, 10.482 inches (266.2 mm) ID	HS-160370
10 in (254 mm) SCH 10, 10.420 inches (264.7 mm) ID	HS-160371
12 in (304.8 mm) SCH 5, 12.438 inches (315.9 mm) ID	HS-160372
12 in (304.8 mm) SCH 10, 12.390 inches (314.7 mm) ID	HS-160373
14 in (355.6 mm) SCH 5, 13.688 inches (347.7 mm) ID	HS-160374
14 in (355.6 mm) SCH 10, 13.624 inches (346 mm) ID	HS-160375
16 in (406.4 mm) SCH 5, 15.670 inches (398 mm) ID	HS-160376
16 in (406.4 mm) SCH 10, 15.624 inches (398.8 mm) ID	HS-160377

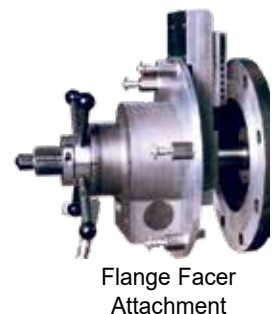
3. Tooling

SM-37, 37° OD bevel	HS-BLM37
SM-37-10, 37°, 10°, OD compound bevel	HS-BLM3710
SM-30, 30 OD bevel	HS-BLM30
SM-F, 90° facing	HS-BLMF
SM-I, 10° ID bevel	HS-BLMI10
SM-I narrow, 10° ID bevel	HS-BLMTI



4. Attachments

Flange facer	HS-160-309
Elbow mandrel	HS-MFTEM-160-609
Thin wall pads	
5 in (127 mm) SCH 5, 5.345 inches (135.8 mm) ID	HS-260618
5 in (127 mm) SCH 10, 5.295 inches (134.5 mm) ID	HS-260619
6 in (152.4 mm) SCH 5, 6.407 inches (162.7 mm) ID	HS-260620
6 in (152.4 mm) SCH 10, 6.357 inches (161.5 mm) ID	HS-260621



A Fast Three-Step Process

Ready to bevel in 10 minutes or less!

1 Install the three wedge extensions.



2 Mount the machine on the work piece. Be aware of the wedges position in the work piece; allow enough material for the application. Tighten the wedge system by turning the feed barrel.



3 Install the blades in the tool holder 180° apart. Position the blades for cutting by turning the feed handle.





Backed by Over 50 Years of Experience

CLIMAX pioneered the concept of portable machine tools in 1964. Since that time, CLIMAX has grown to become the world's largest provider of innovative on-site machining solutions.

Professional, Experienced Instructors

All training programs are taught by experienced OEM CLIMAX trainers. Your instructor will provide valuable information on operator safety, tool set-up, mounting, and operation that will help you complete your on-site machining tasks quickly and to the highest quality standards.



Typical Courses Include:

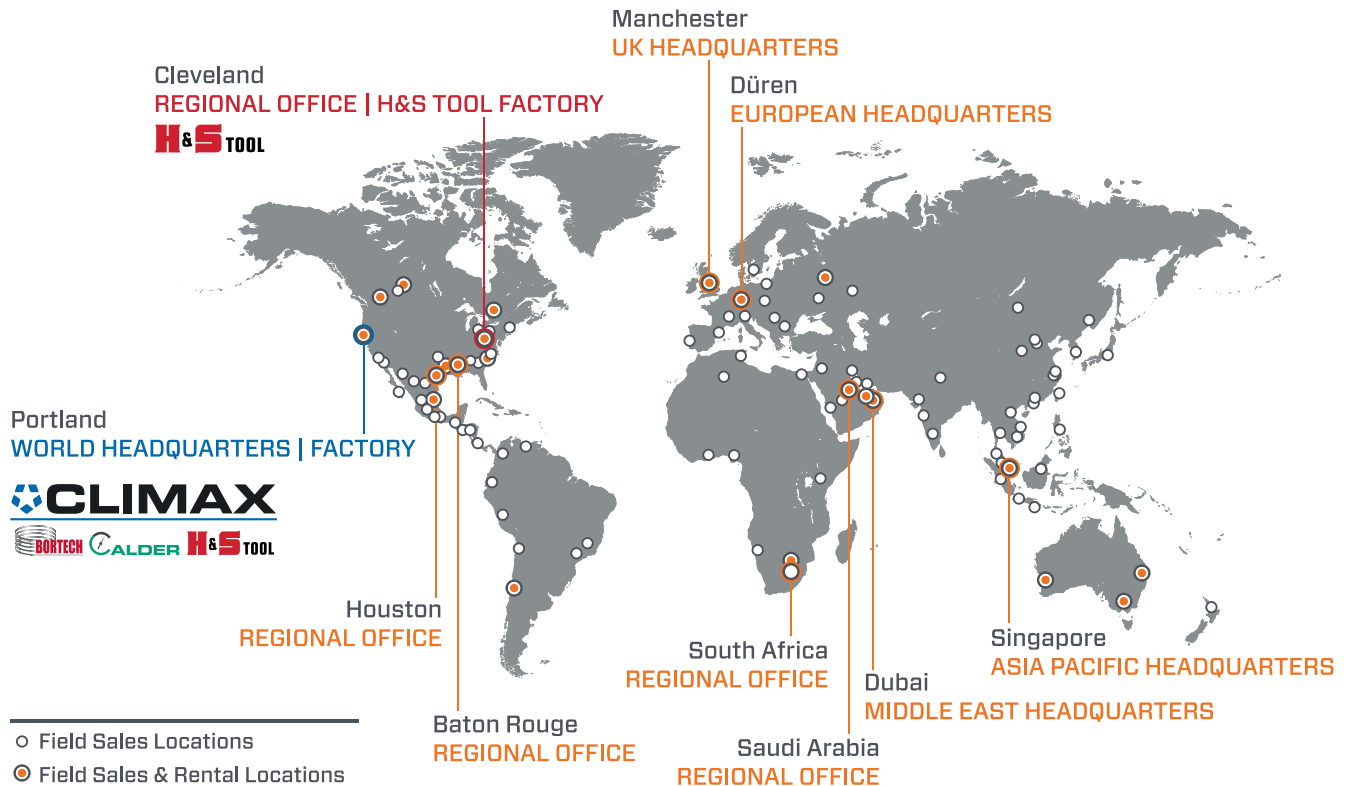
- ✓ Operator safety
- ✓ Tool component review and setup
- ✓ Standard operational techniques
- ✓ Overview of cutting tools and recommend usage
- ✓ Maintenance procedures
- ✓ A certificate of achievement - issued to each student immediately following course completion

Sign up today for training at one of our **seven** Global CLIMAX training centers.

- Portland, Oregon
- Houston, Texas
- Baton Rouge, Louisiana
- Cleveland, Ohio
- Manchester, United Kingdom
- Düren, Germany
- Dubai, United Arab Emirates



GLOBAL LOCATIONS



Call CLIMAX | H&S TOOL for:

RENTALS

On selected models. With 20+ worldwide rental depot locations, you are never far away from CLIMAX.

OEM TRAINING


If you need training or on-site consultation, we're famous for it!

SPARES, REPAIR & MAINTENANCE

Call us for anything you need to keep your system running in top condition.

CUSTOM PROJECTS

Custom turn-key system design services from the most experienced engineers in the business!

Follow us on:   

World Headquarters

CLIMAX | BORTECH | CALDER Factory
Address: 2712 E. 2nd St, Newberg, Oregon 97132
Tel: +1 503 538 2185
Fax: +1 503 538 7600
Email: info@cpmt.com

Regional Office - Cleveland

H&S TOOL Factory
Address: 715 Weber Dr., Wadsworth, Ohio 44281
Tel: +1 330 336 4550
Email: info@hstool.com

Asia Pacific

Address: 308 Tanglin Rd #02-01, Singapore 247974
Tel: +65 6801 0662
Fax: +65 6801 0699
Email: ClimaxAsia@cpmt.com

European

Address: Am Langen Graben 8, 52353 Düren, Germany
Tel: (+49) (0) 2421 9177 0
Fax: (+49) (0) 2421 9177 29
Email: ClimaxEurope@cpmt.com

Middle East

Address: Warehouse #5, Plot: 369 272, Um Sequim Road, Dubai, UAE
Tel: +971 4 321 0328
Email: ClimaxUAE@cpmt.com

United Kingdom

Address: Unit 7 Castlehill Industrial Estate, Bredbury Industrial Park, Horsfield Way, Stockport SK6 2SU
Tel: +44 (0) 161 406 1720
Email: ClimaxUK@cpmt.com

Copyright © 2020 CLIMAX Portable Machining & Welding Systems. All Rights Reserved. CLIMAX has taken reasonable measures to ensure the accuracy of the information contained in this document. However, CLIMAX makes no warranties or representations with respect to the information contained herein; and CLIMAX shall not be held liable for damages resulting from any errors or omissions herein, or from the use of the information contained in this document.

