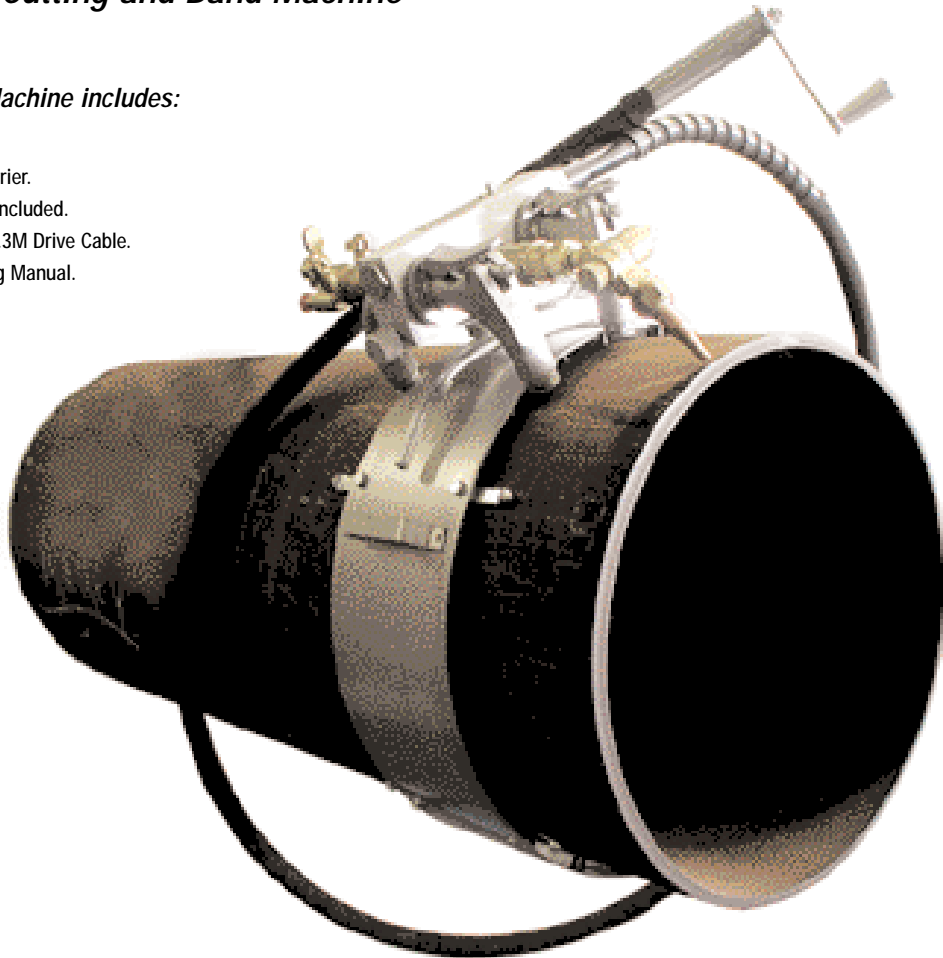


## Monarch Pipe Cutting and Band Machine

### Band Crawler Machine includes:

- Base Machine.
- Eccentric Torch Carrier.
- Cutting Torch NOT Included.
- 9' / 2.7M or 14' / 4.3M Drive Cable.
- Parts and Operating Manual.



**M**onarch Band with Band Crawler can be used in the trench or in a pipe run, when there is a minimum amount of clearance around the pipe. The Stainless Steel Band can be positioned in tight areas that need repair as it requires only 6" / 153mm clearance. The *light flexible Band* will allow the Band Crawler to give a consistent bevel on severely out-of-round pipe as the Band forms to the pipe shape. The lightweight Band Crawler enables one man operation on diameter as large as 60" (1524mm). Bands available for pipe sizes 6" to 60" / 152 to 1524mm and larger upon request.

Bands from 6" to 12" / 152 to 305mm are made from 14 Gauge Stainless Steel. Bands from 14" / 356mm and up are made from 12 Gauge Stainless Steel.

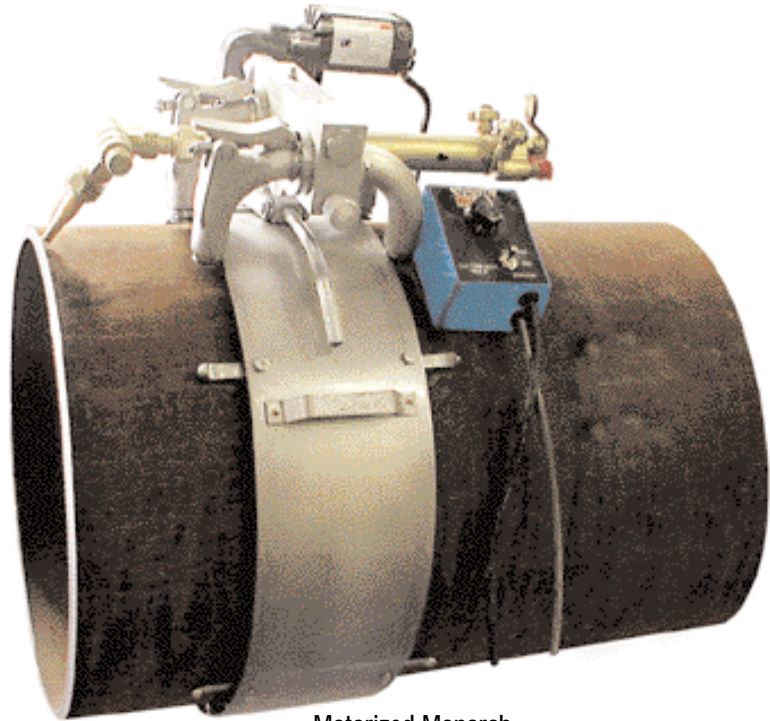
### Band Machines

Model	Part Number	Estimated Shipping Weight Lbs. / kg
Band Machine with 9' / 2.7M Flex Drive Cable	05-0117-009	21 / 10
Band Machine with 14' / 4.3M Flex Drive Cable	05-0117-014	30 / 14
Motorized Band Machine, 115vac	05-0117-M00	21 / 10
Motorized Band Machine, 230vac	05-0117-M04	24 / 11
Motorized Band Machine, 90vdc	05-0117-M05	21 / 10
Pnuematic Crawler	05-0117-M06	12 / 37

## Monarch Pipe Cutting and Band Machine Accessories

### Motorized Monarch Band Machine

- **ONE MAN OPERATION** - one man can set-up and cut pipes as large as 48" / 1219mm.
- Band forms to the out-of-round condition of the pipe to keep the torch at a preset distance from the pipe wall.
- **EASE OF SET-UP** is realized when cutting horizontal or vertical pipes, because the Bands are lightweight design.
- **LOW PROFILE** of the Crawler only requires 6" / 152mm of radial clearance around the pipe when used with a Right Angle Drive Adapter.
- **60% FASTER** than hand cutting and grinding.
- Latching Mechanism allows **QUICK INSTALLATION** and **CLOSURE** of the band on the pipe.
- Alignment fingers on the end of the Band provide a **POSITIVE ALIGNMENT** of the band ends.
- One Band Crawler **FITS ALL BAND SIZES**, regardless of the range of pipe sizes to be cut or beveled.



Motorized Monarch Band Machine

When cutting large diameter pipes—operator efficiency can be improved with the Motorized Band Machine.

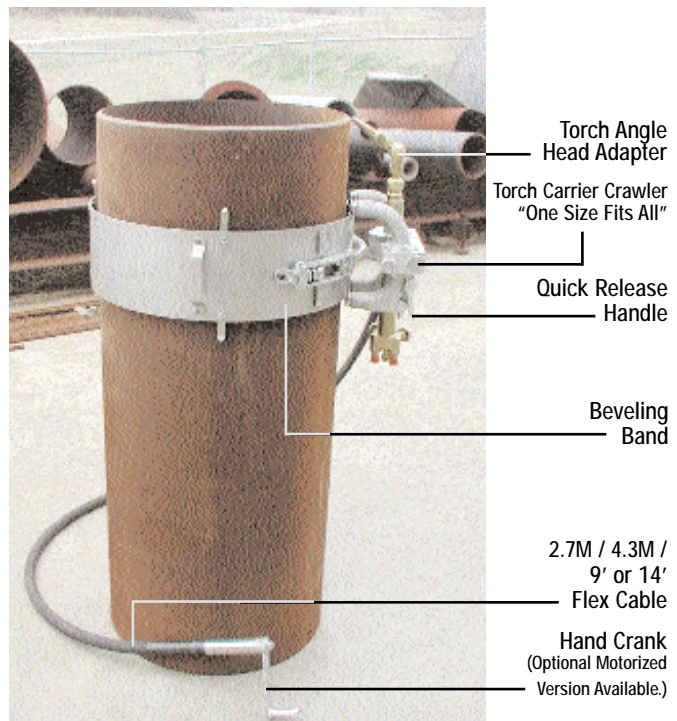
#### Options:

- Band Crawler is available with 9' / 2.7M or 14' / 4.3M Flexible Drive Cable for manual operation.
- 115vac, 230vac & 90vdc Variable Speed Motorizing Kits are available to reduce the amount of grinding time required.
- Bands for odd sizes of pipe available on request.

#### Accessories:

- Rack Adjustable Torch Arm permits horizontal movement of the torch parallel to the pipe axis.
- Double Torch Arm allows cuts or bevels to be made simultaneously.
- Torches and Tips available for all types of cutting gases.
- Torch Shut-Off Valve to minimize adjustment of gas mixture to the cutting torch.

The quickest and easiest tool to set up and operate when cutting vertical pipes.



## Monarch Pipe Cutting and Band Machine Accessories

### DOUBLE TORCH ARM

**B**eveling both sides of the cut simultaneously reducing manufacturing time and labor cost.



### RACK ADJUSTABLE TORCH ARM

**T**he Rack Adjustable Torch Arm permits the adaptation of a Plasma Torch to the Monarch Band Machine.



### RIGHT ANGLE DRIVE ADAPTOR

**T**he Right Angle Drive Adaptor permits the Flexible Drive Cable to pivot 180 degrees on the end of the Monarch Band Crawler Body. The Adaptor lowers the profile of the Crawler to 6" / 153mm.



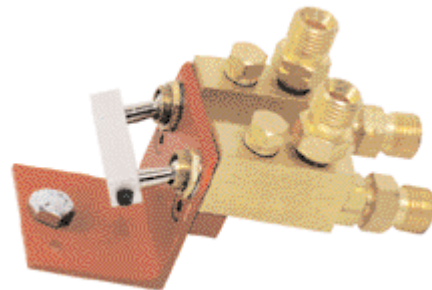
### FLEX CABLE DRIVE

**A** 9' / 2.7M and 14' / 4.3M Flexible Drive Cable enables the Band Crawler to be operated remotely when cutting large diameter pipe.



### TORCH SHUT-OFF VALVE

**T**he Torch Shut Off Valve allows the operator to shut off the flow of oxygen and fuel to the cutting torch without disturbing the oxygen and fuel settings. To shut off or open the flow of oxygen and fuel to torch is only a matter of flipping the switch. The port of the Shut-Off Valve are only available in 9/16" - 18 hose threads.



## Monarch Pipe Cutting and Band Machine Accessories

### Monarch Bands

Item/ Assembly Description	Part No.	Estimated Shipping Weights Lbs. / kgs.
6" (152mm) Band	05-0104-006	5 / 2
8" (203mm) Band	05-0104-008	6 / 3
10" (254mm) Band	05-0104-010	7 / 3
12" (304mm) Band	05-0104-012	7 / 3
14" (356mm) Band	05-0104-014	11 / 5
16" (406mm) Band	05-0104-016	12 / 5
18" (457mm) Band	05-0104-018	13 / 6
20" (508mm) Band	05-0104-020	14 / 6
22" (559mm) Band	05-0104-022	15 / 7
24" (610mm) Band	05-0104-024	24 / 11
26" (660mm) Band	05-0104-026	25 / 11
28" (711mm) Band	05-0104-028	25 / 11
30" (762mm) Band	05-0104-030	25 / 11
32" (813mm) Band	05-0104-032	26 / 12
34" (864mm) Band	05-0104-034	27 / 12
36" (914mm) Band	05-0104-036	29 / 13
38" (965mm) Band	05-0104-038	31 / 14
40" (1016mm) Band	05-0104-040	33 / 15
42" (1067mm) Band	05-0104-042	36 / 16
44" (1118mm) Band	05-0104-044	39 / 18
46" (1168mm) Band	05-0104-046	43 / 20
48" (1219mm) Band	05-0104-048	90 / 41
50" (1270mm) Band	05-0104-050	92 / 42
52" (1321mm) Band	05-0104-052	96 / 44
54" (1372mm) Band	05-0104-054	100 / 45
56" (1422mm) Band	05-0104-056	106 / 48
58" (1473mm) Band	05-0104-058	110 / 50
60" (1524mm) Band	05-0104-060	115 / 52

#### NOTE:

Bands from 6" to 12" / 152 to 305mm are made from 14 Gauge Stainless Steel. Bands from 14" / 356mm and up are made from 12 Gauge Stainless Steel.

### ANGLE ANGLE HEAD ADAPTOR

The Torch Angle Head Adaptor attachment lets the torch tips be adjusted for any angle from a square cut (no bevel), to a bevel angle up to 90 degrees V-Groove. It also permits adjustments for a lead or lag angle of the torch. Part No. 05-0200-003



### Monarch Band Machine Accessories

Item/Assembly Description	Part No.	Estimated Shipping Weight lbs./kgs.
Electric Motorizing Retrofit Kit, 115VAC	05-0117-A01	10 / 5
Electric Motorizing Retrofit Kit, 230VAC	05-0117-A02	20 / 9
Electric Motorizing Retrofit Kit, 90vdc	05-0117-A04	10 / 5
Pneumatic Motorizing Retrofit Kit	05-0117-A03	15 / 7
Rack Adjustable Torch Arm	05-0117-032	7 / 3
Double Torch Arm	05-0117-039	9 / 4
Right Angle Drive Adaptor (For Flexible Drive Cable)	05-0117-030	1 / .5
Angle Head Torch Adaptor	05-0200-0003	1.2 / .5

### Monarch Band and Band Parts

Item/ Assembly Description	Part No.	Estimated Shipping Weight Lbs. / Kg
<b>Standard Latch</b>		
Band Latch Assembly, 6" to 12" / 153 to 305mm	05-0103-100	1.5 / .68
Band Latch Assembly, 14" and up / 356mm and up	05-0103-102	1.7 / .77
<b>Crawler Parts</b>		
Grease Zerk	01-0469-003	.1 / .05
Worm Gear Shaft Assembly	05-0117-002	.3 / .14
Worm Gear Shaft Bearing	05-0117-003	.1 / .05
Drive Wheel Assembly (4 Req.)	05-0117-005	.15 / .07
Crank Handle Assembly	05-0117-006	.3 / .14
Torch Holder Eccentric	05-0117-008	.4 / .18
Set Screw	05-0117-011	.25 / .11
Connector	05-0117-012	.15 / .07
End Plug	05-0117-021	.15 / .07
Flexible Drive Cable, 9' / 2.7M	05-0117-022	26 / 11.8
Flexible Drive Cable, 14' / 4.3M	05-0117-031	30 / 13.6