

# PNEUMATIC WEDGE TYPE PIPE BENDING MANDREL PWM 8-20 (NON-POWERED)



The Pneumatic Wedge Type Pipe Bending Mandrel was developed to preserve radial contour of pipe walls during pipe bending processes. It applies powerful radial support to the inner walls, yet remains flexible lengthwise to bend with the pipe. It is positioned and controlled manually within the pipe by a reach rod. It is particularly successful in providing a smooth bend with no "out-of-round".

Simple design and few parts result in low maintenance cost.

Travel wheels raise from the pipe wall when the mandrel is expanded.

A "Powered" PWM travels through the pipe for the next bend under its own power. A "Non-Powered" PWM is pulled to the next bend (manually).

On "Powered" PWM, the travel wheels are pivotally mounted to provide self-leveling of the mandrel in the pipe.

Double angle hardened steel wedges provide fast approach and powerful locking action.

Wedges will accommodate several wall thicknesses without changing shims.

Pneumatic Wedge Type Pipe Bending Mandrels require compressed air at 200 psi (12.2 -13.6 bar). maximum safe working pressure is 210 psi (15.3 bar). This normally is provided by the compressor supplied with the mandrel. If it is not supplied, a standard CRC-Evans Air Compressor may be used.

# PNEUMATIC WEDGE TYPE PIPE BENDING MANDREL PWM 8-20 (NON-POWERED)

## PNEUMATIC WEDGE TYPE PIPE BENDING MANDREL

### NON-POWERED SPECIFICATIONS

For pipe from 8" (219mm) to 20" (914mm)

MODEL NO.	PIPE SIZE inches (mm)	LENGTH inches (mm)	WIDTH inches (mm)	HEIGHT inches (mm)	CUBE ft <sup>3</sup> (m <sup>3</sup> )	WEIGHT lb (kg)
PWM 8-10	8-10/219-273	80/2032	7/178	7/178	2.24/0.06	200/90
PWM 10-12	10-12/273-324	85/2160	9/229	12/305	5.3/0.15	400/180
PWM 14-16	14-16/356-406	95/2413	10/254	14/356	7.7/0.22	600/270
PWM 18-20	18-20/406-457	93/2362	13/330	20/508	14/0.40	1000/450

### POWERED

### SPECIFICATIONS

For pipe from 20 (219mm) to 36" (914mm)

MODEL NO.	PIPE SIZE inches (mm)	LENGTH inches (mm)	WIDTH inches (mm)	HEIGHT inches (mm)	CUBE ft <sup>3</sup> (m <sup>3</sup> )	WEIGHT lb (kg)
PWM 20-22	20-22/508-559	118/2997	17/432	17/432	19.7/0.56	1350/612
PWM 24-32	24-32/610-813	128/3251	24/610	26/660	36/1.02	2200/1000
PWM 34-36 (44" Pad Support)	34-36/837-914	156/3962	32/813	32/813	92/2.6	5100/2313
PWM 34-36 (56" Pad Support)	34-36/837-914	168/4267	32/813	32/813	100/2.8	5700/2585



## PNEUMATIC WEDGE TYPE PIPE BENDING MANDREL

PWM 20-36 (POWERED)