

**Key features:**

- Powerful, fast performance
- Simplistic design
- Powered hydraulically by Pipe Bending Machine
- Low maintenance costs

Application:

Assists the Pipe Bending Machine with pipes from 20-60" and provides smooth bends and reduction of distortion

Hydraulic Wedge Mandrel [HWM]

Developed specifically to meet the bending requirements of heavy-wall and high-yield grade pipe.

The Hydraulic Wedge Type Mandrel was developed for the bending of heavy-wall and high-yield grade pipes. It is for the use of pipe sizes from 20" to 60", with the diesel-powered units being used only for pipe sizes 34" to 60". The pipe bending machine operator also controls the mandrel.

The Hydraulic Wedge Type Mandrel is made in part with the CRC Evans High-Productivity Bending System. The mandrel provides a smooth bend and allows for little-to-no distortion. The machine is all results – its' simplistic design means few parts are required if in need of maintenance, reducing troubleshooting and costs drastically.

The mandrel is conveniently transported through the travel wheels which are pivotally mounted to provide self-levelling of the mandrel in the pipe. The travel wheels raise from the pipe wall when the mandrel is expanded. The process is very fast due to double angle hardened steel wedges which prove for powerful locking action. The wedges will accommodate many depths of wall thickness without changing shims. A normal operation doesn't require an auxiliary hydraulic power unit (however this can be supplied to the customer if required)

Hydraulic Wedge Mandrel [HWM]

Model No.	Pipe Size		Length		Width		Height		Cube		Weight	
	inches	mm	inches	mm	inches	mm	inches	mm	ft ³	m ³	lb	kg
HWM 10-12	10	254	95	2,413	10	254	10	254	5.5	0.16	400	880
	12	305	95	2,413	10	254	12	305	6.6	0.19	400	880
HWM 14-16	14	356	95	2,413	11	279	14	356	8.5	0.24	575	1,265
	16	406	95	2,413	13	330	16	406	11.4	0.32	600	1,320
HWM 18-22	18	457	116	2,946	15	381	14	356	14	0.4	1,000	590
	20	508	116	2,946	17	432	17	432	19.4	0.54	1,050	567
	22	558	116	2,946	18	457	17	432	20.5	0.58	1,100	590
HWM 24-26	24	588	112	2,845	22	559	22	559	32	0.91	2,000	909
	26	660	112	2,845	22	559	22	559	32	0.91	2,000	909
HWM 28-30	28	711	112	2,845	24	610	25	635	39	1.1	2,200	1,000
	30	762	112	2,845	24	610	25	635	39	1.1	2,200	1,000
HWM 32	32	813	112	2,845	25	635	29	737	47	1.33	2,500	1,136
HWM 34-38	34	864	148	3,759	29	737	29	737	72	2.04	3,600	2,449
	36	914	148	3,759	31	787	31	787	82.30	2.33	3,700	2,495
	38	965	148	3,759	33	838	33	838	93.30	2.64	3,900	2,585
HWM 40-42	40	1,016	148	3,759	35	889	35	889	104.90	2.97	5,700	2,586
	42	1,067	148	3,759	37	940	37	940	117.30	3.32	5,800	2,631
HWM 46-48	46	1,168	158	4,013	41	1,041	41	1,041	153.70	4.35	10,000	4,536
	48	1,219	158	4,013	43	1,092	43	1,092	169.10	4.79	10,100	4,581
HWM 52-54	52	1,321	172	4,369	46	1,168	46	1,168	210.60	5.96	12,000	5,443
	54	1,372	172	4,369	48	1,219	48	1,219	229.30	6.49	12,100	5,489
HWM 56	56	1,422	172	4,369	50	1,270	50	1,270	248.80	7.05	13,000	5,897
HWM 60	60	1,524	172	4,369	54	1,372	54	1,372	290.30	8.22	13,500	6,124

* Footnote

** Footnote