

**Key features:**

Centurion range's superior bending properties

68% faster travel speed

39% more bending force

Application:

Performs the bending of welded pipe between the dimensions of 22-36" in diameter

Centurion Pipe Bending Machine 22-36"

Unmatched strength when handling the sturdiest of pipes

The Centurion Pipe Bending Machine for 22-36" pipes offers the expected resilience and strength you'd expect from CRC Evans Centurion and is our greatest in the range. The re-engineered frame increases its bending capacity and makes little-to-no work of all heavy-walled high-yield pipes.

The diesel engine is designed as strong as the body – dependable in all weather conditions. The machine runs no risk of over-heating thanks to the new hydraulic system providing a larger hydraulic tank and oil cooler.

The engine and air compressor platforms are side mounted offering a lower centre of gravity and great stability. Air compressors are optional. The stiff back and tongue also allow for mandrel storage.

All equipment is designed in-house to your specifications and adhered to the quality management system certified to internationally recognised ISO 9001:2008 standard as well as CRC Evans own quality policy. There's nothing you'd trust more than this machine.

Optional Mandrel operation:

Pneumatic Mandrel with 3 section valve

Hydraulic Wedge Mandrel with 5 section valve

Note: optional two stage pump available

ENGINE		Units
Mfg	CAT-Perkins	
Model	C6.6	
Net Power	173/129	hp/kW
Speed	2,200	rpm
N° of Cylinders	6	
Bore x Stroke	4.1x5.0/105x127	inch/mm
Displacement	402/6.6	cu.inch/l
Fuel Tank Capacity	85/322	gal/l

HYDRAULIC		Units
Pump Type	Fixed Volume	
Maximum Flow	60/230	gpm/lpm
Operating Pressure	3,000/207	psi/Bar
Valve Type	Manual	
No. Sections	3 or 5	
Relief Valves	1 for each section + 1 main relief	
Filtration	10 Micron	
Hyrd. Tank	110/416	gal/l

HYDR. MANDREL CONNECTIONS	
Qty.	4
Size	3/4"

WINCH		Units
Type	Planetary	
Drive	Hydraulic	
Pulling Force	15,000/66	Lbf/kN
Cable Diamter	0.563/14	inch/mm

HYDRAULIC		Units
Outboard		
Bore	9/228	inch/mm
Stroke	19.25/489	inch/mm
Qty.	4	
Inboard		
Bore	7/179	inch/mm
Stroke	5/127	inch/mm
Qty.	4	
Pin Up		
Bore	6/152	inch/mm
Stroke	23/584	inch/mm
Qty.	1	

ELECTRICAL		Units
Voltage	12	VDC
No. Batteries	1	
Total Rating	190	Amp Hr @ 20 F
Alternator	100	Amp
Starter	3.3	kW

UNDERCARRIAGE		
Type	Track	30 ton

Centurion Pipe Bending Machine 22-36"

Nominal Pipe OD	Maximum Wall Thickness by Grade	Recommended Bend							
mm	X52	X60	X65	X70	X80	x100	Degree Arc (per meter)	Radius (meters)	Max degree per 12 meter joint
559	-	-	-	-	-	-	2.60	21.95	22.28
610	-	-	-	-	-	-	2.50	23.16	21.11
660	-	-	-	-	-	43.34	2.30	24.99	19.56
711	-	-	-	-	46.71	36.97	2.10	26.82	18.23
762	-	-	50.08	46.33	40.29	31.94	2.00	28.96	16.89
813	-	47.42	43.61	40.36	35.13	27.89	1.90	29.87	16.37
864	48.38	41.66	38.33	35.50	30.92	24.57	1.80	31.70	15.43
914	42.83	36.92	33.98	31.48	27.44	21.83	1.60	35.05	13.95

* 559mm - 914mm (CENTURION) PIPE BENDING DATA - ALL DIMENSIONS IN MILLIMETERS

** Based on 85% efficiency and maximum strength.

Nominal Pipe OD	Maximum Wall Thickness by Grade	Recommended Bend							
inch	X52	X60	X65	X70	X80	x100	Degree Arc (per foot)	Radius (feet)	Max degree per 40 foot joint
22	-	-	-	-	-	-	0.80	72.00	22.28
24	-	-	-	-	-	-	0.75	76.00	21.11
26	-	-	-	-	-	1.706	0.70	82.00	19.56
28	-	-	-	-	1.839	1.456	0.65	88.00	18.23
30	-	-	1.972	1.824	1.586	1.257	0.60	95.00	16.89
32	-	1.867	1.717	1.589	1.383	1.098	0.58	98.00	16.37
34	1.905	1.640	1.509	1.398	1.217	0.967	0.55	104.00	15.43
36	1.686	1.453	1.338	1.239	1.080	0.859	0.50	115.00	13.95

* 22" - 36" (CENTURION) PIPE BENDING DATA - ALL DIMENSIONS IN INCHES

** Based on 85% efficiency and maximum strength.

DIMENSIONS		Units
Length	292.2/7.42	inch/meter
Width	112.5/2.86	inch/meter
Height	110.6/2.81	inch/meter

WEIGHT		Units
Shipping	46,160/20,934	lb/kg
Operating	47,160/21,387	lb/kg