



Key features:

Centurion range's superior bending properties

82% faster travel speed

39% more bending force

Application:

Performs the bending of welded pipe between the dimensions of 6-20" in diameter

Centurion Pipe Bending Machine 6-20"

High performance bending properties which can withstand any strength of pipe

The Centurion Pipe Bending Machine 6-20" makes routine work of standard pipes and is more than capable with handling more demanding jobs such as the current heavy-wall and high-yield pipes used today. It bolsters an extra 500 psi of force: taking it from 2000 psi to 2500 psi.

The CRC Evans' High-Productivity Bending System present in the Centurion line allows for 82% faster travel speed due to its' high capacity pump system and powers 39% more bending force than our standard range of Pipe Bending Machines because of its' larger cylinder size and high pressure rating. Our full range of Pipe Bending Machines offer top of the range hydraulics and a quick-starting engine with reduced noise and cold start functionality. A single operator can fully operate the machine.

The machine is much stronger than its previous iteration. The diesel engine is designed to withstand challenging weather. Its frame has been reinforced and redesigned following engineering revisions which is how it offers increased bending capacity's in addition to offering a greater field of view to the operator – allowing easy vision of die.

Optional Mandrel operation:

Pneumatic Mandrel with 3 section valve

Hydraulic Plug Mandrel with 4 section valve

Hydraulic Wedge Mandrel with 5 section valve

Note: optional two stage pump available

ENGINE		Units
Mfg	Deutz	
Model	F4L914	
Net Power	69/51	hp/kW
Speed	2,250 rpm	rpm
N° of Cylinders	4	
Bore x Stroke	4.01x5.19/102x132	inch/mm
Displacement	263/4.3	cu.inch/l
Fuel Tank Capacity	30/113	gal/l

HYDRAULIC		Units
Pump Type	Fixed Volume	
Maximum Flow	30/113	gpm/lpm
Operating Pressure	2,500/172	psi/Bar
Valve Type	Manual	
No. Sections	3, 4 or 5	
Relief Valves	1 for each section + 1 main relief	
Filtration	10 Micron	
Hyrd. Tank	60/228	gal/l

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

HYDRAULIC		Units
Outboard		
Bore	8/203	inch/mm
Stroke	14/356	inch/mm
Qty.	2	
Inboard		
Bore	8/203	inch/mm
Stroke	6/152	inch/mm
Qty.	2	
Pin Up		
Bore	4/102	inch/mm
Stroke	23/584	inch/mm
Qty.	1	

WINCH		Units
Type	Planetary	
Drive	Hydraulic	
Pulling Force	12,000/53	Lbf/kN
Cable Diamter	0.375/9.5	inch/mm

ELECTRICAL		Units
Voltage	12	VDC
No. Batteries	1	
Total Rating	190	Amp Hr @ 20 F
Alternator	55	Amp
Starter	3	kW

UNDERCARRIAGE		Units
Type	Padded Tracks	7 ton

Centurion Pipe Bending Machine 6-20"

Nominal Pipe OD (Actual)	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
168	-	-	-	-	-	-	14.47	3.96	129.53
219	-	-	-	-	-	-	12.53	4.57	112.17
273	-	-	-	-	-	-	9.38	6.10	83.97
324	-	-	-	-	47.07	37.25	7.55	7.62	67.59
356	-	-	-	44.32	38.49	30.39	5.58	10.37	49.95
406	45.42	39.03	35.86	33.15	28.79	22.78	4.95	11.57	44.31
457	35.15	30.23	27.79	25.71	22.37	17.74	3.61	15.85	32.32
508	28.01	24.13	22.20	20.56	17.91	14.23	2.72	21.04	24.35
530	25.59	22.06	20.30	18.81	16.39	13.04	2.72	21.04	24.35

* 168mm - 530mm (CENTURION) PIPE BENDING DATA - ALL DIMENSIONS IN MILLIMETERS.

** Based on 85% efficiency and maximum strength.

Nominal Pipe OD (Actual)	Maximum Wall Thickness by Grade	Recommended Bend							
mm	X52	X60	X65	X70	X80	X100	Degree Arc (per foot)	Radius (feet)	Max degree per 40 foot joint
6 - 5/8	-	-	-	-	-	-	4.41	13.00	132.20
8 - 5/8	-	-	-	-	-	-	3.82	15.00	114.60
10 - 3/4	-	-	-	-	-	-	2.86	20.00	85.80
12 - 3/4	-	-	-	-	1.853	1.467	2.30	25.00	69.00
14	-	-	1.886	1.745	1.515	1.196	1.70	34.00	51.00
16	1.788	1.537	1.412	1.305	1.134	0.897	1.51	38.00	45.30
18	1.384	1.190	1.094	1.012	0.881	0.698	1.10	52.00	33.00
20	1.103	0.950	0.874	0.809	0.705	0.560	0.83	69.00	24.90
20.866	1.008	0.868	0.799	0.740	0.645	0.513	0.83	69.00	24.90

* 6" - 20" (CENTURION) PIPE BENDING DATA - ALL DIMENSIONS IN INCHES.

** Based on 85% efficiency and maximum strength.

DIMENSIONS		Units
Length	207.5/ 5.27	inch/m
Width	87.0/ 2.21	inch/m
Height	91.4 / 2.32	inch/m

WEIGHT		Units
Shipping	11,690/5,301	lb/kg
Operating	12,690/5,755	lb/kg