36”-48”
PIPE BENDING MACHINE

CORIS
www.coris-pipeline.com

BENDING CHART

Our most popular machine is built for real-world performance. The hydraulic system is designed to help operators make smooth, precise bends with firm control. The rapid exhaust valves ensure that the whole bending process is much faster.

Thanks to its balanced center of gravity, the machine is easy to tow and position.

And for perfect angles every time, you can count on the Accu-Coris system. The heavy-duty steel frame provides exceptional durability, while the modular design simplifies maintenance when needed.

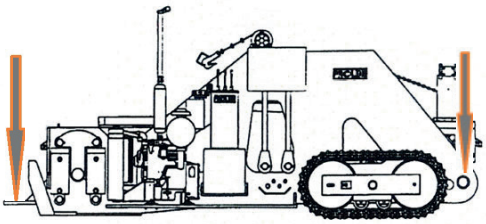
To move pipebender Coris along the right-of-way is easy. The machine tows behind a standard tractor. The adjustable hitch makes connection quick and secure. Changing pipe sizes is straightforward—just switch the bending set and mandrel to handle different diameters. The efficient two-stage hydraulic system delivers both power and productivity, making this one of the most reliable pipe benders for heavy pipeline construction.

BENDING CHARACTERISTICS OF TUBE Ø 36" TO 48"

Pipe diameters (in inches)	**PIPE STEEL GRADE API 5L**						**Radius** (meters)
	X56	**X60**	**X65**	**X70**	**X80**	**X100**	
36"	50,80	50,80	50,80	50,80	50,80	50,80	**15,8**
38"	50,80	50,80	50,80	50,80	50,80	48,95	**15,8**
40"	50,80	50,80	50,80	50,80	50,80	45,89	**15,8**
42"	50,80	50,80	50,80	50,80	46,76	42,13	**15,8**
44"	50,80	50,80	50,80	48,75	45,90	39,87	**15,8**
46"	50,80	50,80	46,78	44,37	41,62	37,19	**15,8**
48"	50,80	47,83	44,71	41,46	39,18	35,21	**15,8**

DIMENSION	**OPERATION**	**TRANSPORTATION**
Operating Weight	127,868 lbs / 58,000 kg	38.000 kg
Length	10.000 mm	10.000 mm
Width	3.300 mm	2.550 mm
Height	3.000 mm	2.680 mm

TECHNICAL SPECIFICATIONS



Moving this 58-ton machine requires experienced personnel and specialized transport equipment. The photo highlights the machine's key lifting and load-bearing points to ensure safe handling during transportation.

The measurement of the bend especially on a large diameter pipe could be difficult. The Accu-Coris system measures pipeline bending angles with 1/50 grade precision. It includes three components: a central display unit for the operator and two magnetic sensor units that attach to the pipe ends.

The central unit shows measurements on a high-visibility 4-digit display with 0.01° resolution. All components communicate wirelessly and are built to endure harsh conditions, operating reliably from -40°C to +80°C. The system runs on rechargeable batteries lasting 70 hours per charge.

TECHNICAL DATA

Engine Model	Caterpillar C-6.6 ACERT
Horsepower	168 kW / 225 HP
Displacement	6.6 liters
Compression Ratio	16:01
Engine Bore	105 mm – 127 mm
Governed Speed	1,900 rpm
Number of Cylinders	6

CHARACTERISTICS

Optimized Transportation for Pipeline Operations

With years of experience as contractors, Coris understands that transportation is a critical factor in global pipeline operations—especially when moving large equipment. The Coris PB 36-48 is designed for efficiency:

- Reduces the pipe bender's main body width to 2550 mm in just half a day.
- The remaining parts such as the engine compartment and undercarriage tracks fit into one container.
- Eliminates the need for special transport permits, ensuring fast mobilization at cost-effective rates.

Streamline your operations with Coris—where speed, compliance, and affordability meet.

HYDRAULIC PUMP	
Maximum Constant Pressure	320 bar
Maximum Flow Rate	350 l/min 92,5 U.S. gal/min

FRONT CRACKING WHEEL	
Hydraulic Motor	Orbital DANFOSS

HYDRAULIC OIL TANK	
Capacity	76 U.S. gal / 290 L

HYDRAULIC TANK	
Cartridge Type	Parker
Hydraulic Oil Tank Capacity	76 U.S. gal / 290 L

CONTROL VALVE	
Brand	Rexroth
Spools	N.6

FUEL TANK	
Type	Metal work with filter

OTHER MACHINES AND EQUIPMENT OF OUR PRODUCTION

Sidebooms from 50 to 130 Mt

Vacuum Lift

Pay welders

CORIS S.R.L.
Via Berettinazza, 2/4 • 43012 • Fontevivo (PR) - Italy
+39 0521 657964 • info@coris-pipeline.com
www.coris-pipeline.com