

Bent pipes and metal sections



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Bends for all metal pipes

Uwira Ltd is specialised in demanding metal pipe bending. We have several decades of experience in the bending and welding of steel pipes. We continuously realise solutions for demanding machines and equipment in the field of energy. Our machine base enables the bending of pipes with diameters from 6 to 219 millimetres and different wall thicknesses, as well as very high quality demands. We make bendings for pipes and metal sections. Our machines can bend materials with alternating diameters of up to $\text{Ø}114$ millimetres.

We manufacture ready-to-install pipes with dimensional accuracy and often according to customers' own requirements. The bending of pipes is a part of a comprehensive solution in which we readily connect the assembly parts, components and pressure vessels in accordance with the customer's end product. Typically the bent pipes are made of steel or stainless steel. We also machine alloys with copper, titanium and other metals whose bending and welding require dimensional accuracy and high durability. The thinning of the pipe wall during bending is less than 15%, which ensures the pipe's durability under the high pressure required by liquids or gases.

Bendings

Pipe D/mm	Bending R/mm	Min/mm straight part between bends
6	15	15
8	15	15
10	20	20
12	25	25
15	40 (30 and 50)	40
16	40	40
18	40 (50)	40
20	40	40
22	40	40
25	45	45
26.9	60	70
28	45	45
30	65	80
35	60	60
42	80	90
48	80	120
60	100	150
76.1	114	190
88.9	134	220
114.3	171	225
139.7	209	440
168.3	252	450
219.1	438	660

