



Industrial Site Services Co Ltd.

Plate Rolling Services

Information & Specifications



0800 800 679 | www.iss.co.nz



ISS Engineering

From full-service fabrication in our workshop, to complex repairs in challenging on-site conditions, our team of experts can do it all.

We take pride in our craft here at ISS. Our staff hold qualifications in all aspects of welding, fitting and machining, with years of experience under their belts to back it up.

Our fully equipped engineering workshop and expert rigging services form the backbone of our comprehensive structural steel solutions. With state-of-the-art machinery and a highly-skilled team, we deliver precision engineering for a wide range of projects.

Our access to heavy machinery complements our fabrication capabilities, ensuring seamless integration and high-quality results.

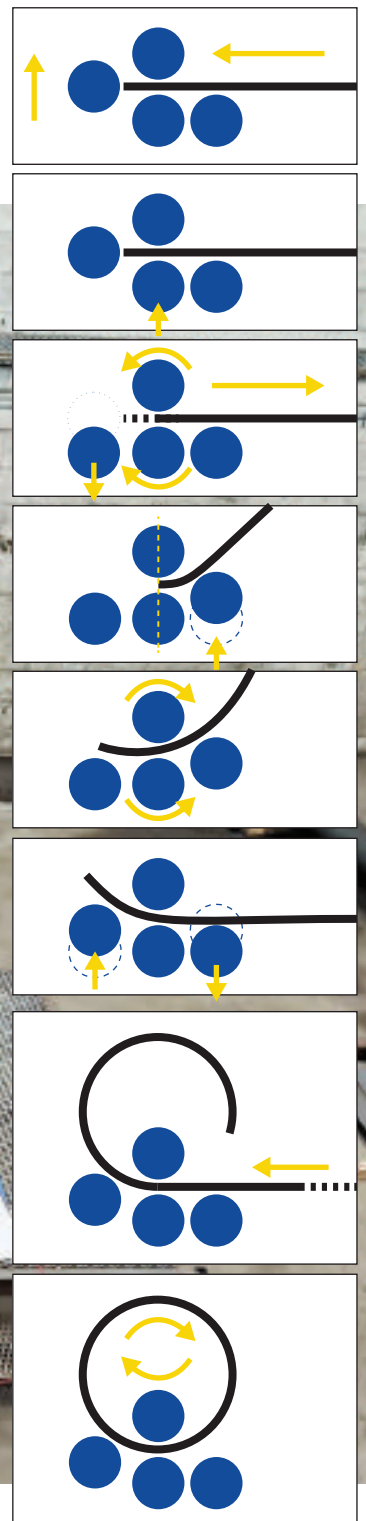
From concept to completion, Industrial Site Services Ltd will be your full-service industrial partner, providing tailored solutions to meet your specific needs.



Plate Rolling

Plate rollers, like all engineering equipment, have advanced significantly with technology, enabling the efficient forming of pipes, tanks, and vessels. ISS has taken a major step by acquiring a medium-sized 4-roll plate roller with the capacity to roll plates ranging from 8mm to 40mm thick and up to 3000mm wide.

The new 4-roll plate roller from ISS offers numerous advantages. It is one of the easiest hydraulic bending machines to operate, thanks to its ability to pinch the plate between two motorized central rolls. This feature allows for pre-bending at the ends and full-body bending in a single direction in one pass. The plate remains square and does not slip during the pre-bending and bending cycles, thanks to the continuous pinching of the central rolls. This makes ISS's 4-roll machine ideal for operation with NC or CNC numerical control systems.



Performance Chart — 300mm

Info about 300mm plate rolling:

Width	Diameter	Bending Thickness	Prebend Thickness	Bending Thickness	Prebend Thickness	Bending Thickness	Prebend Thickness	Bending Thickness	Prebend Thickness
mm	mm	Material based on yield point 260 N/mm2		Material based on yield point 310 N/mm2		Material based on yield point 360 N/mm2		Material based on yield point 430 N/mm2	
3000	330	11,4	9,0	10,3	8,1	9,6	7,6	8,9	7,0
3000	450	15,2	12,0	13,7	10,8	12,8	10,1	11,9	9,4
3000	900	19,0	15,0	17,1	13,5	16,0	12,6	14,8	11,7
3000	1500	20,0	15,8	18,0	14,2	16,8	13,2	15,6	12,3
3000	3000	20,9	16,5	18,8	14,9	17,6	13,9	16,3	12,9
2500	330	12,5	9,9	11,2	8,9	10,5	8,3	9,7	7,7
2500	450	16,7	13,1	15,0	11,8	14,0	11,0	13,0	10,3
2500	900	20,8	16,4	18,7	14,8	17,5	13,8	16,2	12,8
2500	1500	21,9	17,3	19,7	15,5	18,4	14,5	17,0	13,5
2500	3000	22,9	18,1	20,6	16,3	19,2	15,2	17,9	14,1
2000	330	14,0	11,0	12,6	9,9	11,7	9,3	10,9	8,6
2000	450	18,6	14,7	16,8	13,2	15,6	12,3	14,5	11,5
2000	900	23,3	18,4	20,9	16,5	19,5	15,4	18,2	14,3
2000	1500	24,4	19,3	22,0	17,4	20,5	16,2	19,1	15,0
2000	3000	25,6	20,2	23,0	18,2	21,5	17,0	20,0	15,8
1500	330	16,1	12,7	14,5	11,5	13,5	10,7	12,6	9,9
1500	450	21,5	17,0	19,3	15,3	18,1	14,3	16,8	13,2
1500	900	26,9	21,2	24,2	19,1	22,6	17,8	21,0	16,5
1500	1500	28,2	22,3	25,4	20,0	23,7	18,7	22,0	17,4
1500	3000	29,6	23,3	26,6	21,0	24,8	19,6	23,1	18,2
1000	330	19,7	15,6	17,8	14,0	16,6	13,1	15,4	12,2
1000	450	26,3	20,8	23,7	18,7	22,1	17,5	20,5	16,2
1000	900	32,9	26,0	29,6	23,4	27,6	21,8	25,7	20,3
1000	1500	34,6	27,3	31,1	24,6	29,0	22,9	27,0	21,3
1000	3000	36,2	28,6	32,6	25,7	30,4	24,0	28,2	22,3



**Contact us to discuss your project,
and how we can bring it to life.**

Phillip McPherson
Engineering Manager

phillip.mcpherson@iss.co.nz
+64 275 649 807 | +64 7 850 1240

Industrial Site Services

13/15 Bristol Place
Te Rapa
Hamilton 3200
New Zealand