

# Bending

## Outokumpu PSC Nordic

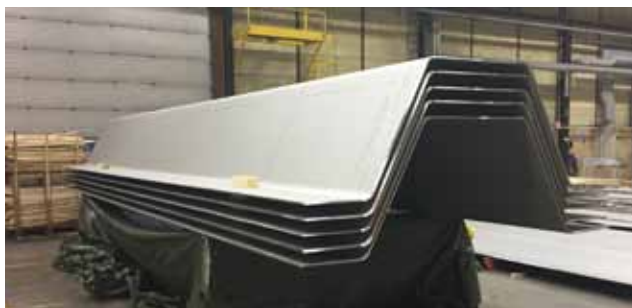
Outokumpu PSC Nordic is specialized in bending of Moda, Core, Supra, Forta and Ultra range stainless steel grades.

### Outokumpu PSC Nordic offers

- Bending with press forces up to 2 300 ton
- Profile lengths up to 13 000 mm
- Great flexibility thanks to press brakes with different forces and own developed tools
- Profile bending within a large dimensional program
- Special profiles according to customer need
- Corrugated plates
- Specialist knowledge of stainless steel
- High strength materials in thick dimensions
- Stocking of stainless steel plates in standard and special grades
- Experienced and skilled staff

### Cold formed profiles

The manufacturing program includes standard profiles of L, U, C types but also special profiles of various kinds. Having a maximum length of 13 000 mm and a bending force of 2 300 tons together with several own developed tools means that we can handle many complex profiles.



### Special profiles

Bending of profiles with other angles than perpendicular can also be produced, for example sweep bending, conical profiles and other shapes on request.

### Corrugated plate

Thanks to a set of special tools we are able to produce corrugated plates. There are certain limitations when it comes to appearance and thickness of the material.

### Tolerances

We deliver our products according to PSC Nordics standard tolerances. Other tolerances can be agreed at request.

Table 1

Thickness, mm	Length	< 6 000 mm	> 6 000 – 13 000 mm
2 – 12	Ends	+/- 2	+/- 2,0
	Middle	+/- 2	+/- 3,0
13 – 20	Ends	+/- 2,5	+/- 2,5
	Middle	+/- 3,0	+/- 3,5
21 – 30	Ends	+/- 2,5	+/- 3,5
	Middle	+/- 3,5	+/- 3,5

### Machine park

Table 2

	Press brake 2300	Press brake 1250
Press force, ton	2 300	1 250
Total length, mm	13 000	8 400
Gap depth, mm	1 005	700
Distance side housings, mm	10 200	7 300



# Working towards forever.

We work with our customers and partners to create long lasting solutions for the tools of modern life and the world's most critical problems: clean energy, clean water, and efficient infrastructure. Because we believe in a world that lasts forever.

outokumpu  
classic

**Moda**

Mildly  
corrosive  
environments

**Core**

Corrosive  
environments

**Supra**

Highly  
corrosive  
environments

outokumpu  
pro

**Forta**

Duplex  
& other  
high strength

**Ultra**

Extremely  
corrosive  
environments

**Dura**

High  
hardness

**Therma**

High  
service  
temperatures

**Prodec**

Improved  
machinability

**Deco**

Special  
surfaces

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high performance stainless steel



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