

## 1.4550 (X6CrNiNb18-10)

1.4550 (X6CrNiNb18-10) directly from stock & cut to your required dimensions!

**International term:** S34700, AISI347, SS2338

**Application field:** apparatus construction and food industry, chemical industry, petrochemical sector, soap industry

**Characteristics:** **Weldability: well**

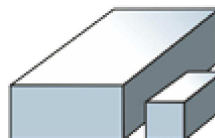
solution annealed and quenched  
Rm min. 500 N/mm<sup>2</sup>, Rp0,2 min 240 N/mm<sup>2</sup>

**Chemical composition:**

1.4550 X6CrNiNb18-10	C	Si	Mn	P	S	Cr	Mo	Ni	V
min.						17,0		9,0	
max.	0,08	1,0	2,0	0,045	0,15	19,0		12,0	

1.4550 X6CrNiNb18-10	Al	Cu	N	Nb	Ti	Sonstiges
min.				10xC		
max.				1,0		

**From stock:** Flat, forged, solution annealed and quenched, pre-machined



**Benefit of sawn cuts:**

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The processing with the saw is a mechanical processing of the material, which results in a significantly lower unintended deformation and increased hardness for the existing structure, such as the thermal cutting.

Thus, the machined workpiece has a homogeneous structure even at the edge, which does not change in the continuation of the material. This circumstance allows immediate finishing of the workpiece with milling or drilling . So it is not necessary to anneal the material or make a similar operation beforehand.