1.4548 (X5CrNiCuNb17-4-4)

1.4548 (X5CrNiCuNb17-4-4) directly from stock & cut to your required dimensions!

International term:	AFNOR Z6CNDT17-12 AISI 316 Ti
Application field:	1.4571 is a stainless austenitic chromium-nickel-molybdenum steel, stabilized with titanium.This material is used as an alternative for 1.4404 if hardness at high temperatures is required. It is characterized by its good resistance to corrosion in most natural waters (urban and industrial), provided that the concentrations of chloride, hydrochloric acid and hydrochloric acid are not too high. **It is mainly used in engineering and shipbuilding, in the construction industry, chemical industry, food industry, medical industry and in the pharmaceutical industry.**
Characteristics:	**Condition: H1025, H1150** **Weldability:** excellent **Wachinability:** 4 (1 = bad - 10 = good) **Polishing:** non **Corrosion class:** 4 (0 = weak - 5 = good)

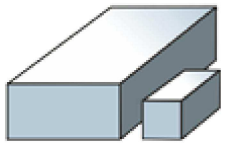
Chemical composition:

1.4571 X2CrNiMo18-14-3	C	Si	Mn	P	S	Cr	Mo	Ni	V
min.	0,38		0,6			0,9	0,15		
max.	0,45	0,4	0,9	0,025	0,035	1,2	0,3		

1.4571 X2CrNiMo18-14-3	Al	Cu	N	Nb	Ti	Sonstiges
min.					5xC	
max.					0,7	

From stock:

Flat, forged, quenched and tempered



Benefit of sawn cuts:

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.