

1.4462 (X2CrNiMoN22-5-3)

1.4462 (X2CrNiMoN22-5-3) EU material directly from stock & cut to your required dimensions

International term: ASTM A182F51 / SUS329J3L / STS329J3LTP / S31803 / SS2377

Application field: 1.4462 is a corrosion and acid resistant austenitic-ferritic chrome-nickel-molybdenum steel (duplex). It is used in mechanical engineering, in shipbuilding, in the food industry and in the offshore area.

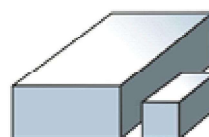
Characteristics: Excellent corrosion resistance and resistance to stress corrosion cracking, mechanical properties are very good - high hardness and yield strength, machinability and weldability difficult for this material.

Chemical composition:

1.4462 X2CrNiMoN22-5-3	C	Si	Mn	P	S	Cr	Mo	Ni	V
min.						21,0	2,5	4,5	
max.	0,03	1,0	2,0	0,035	0,02	23,0	3,5	6,5	

1.4462 X2CrNiMoN22-5-3	Al	Cu	N	Nb	Ti	Sonstiges
min.			0,10			
max.			0,22			

From stock: flat, forged, pre-machined



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.
