

Our material selection

Stainless steel sheets - shapes, thicknesses, properties

This PDF provides you with a comprehensive overview of the stainless steel materials we offer for our precision laser cutting. Discover different qualities, material thicknesses and specifications that are perfectly tailored to your individual requirements. Our selection is constantly being expanded so that we can always offer you the best solutions.

Material	Specification	Thickness in mm	Properties
1.4021	X20Cr13	0,50	Stainless martensitic steel
		1,00	High chromium content and good corrosion resistance in moderately aggressive, non-chlorinated media
		1,20	
		1,50	
		2,00	- Highly polishable and can be used up to 400°C - Mainly used for surgical instruments
		2,50	
		3,00	
		3,50	
		4,00	
		4,50	
		5,00	
		5,50	
		6,00	
		7,00	
		8,00	
1.4301	X5CrNi18-10	0,50	Austenitic chromium-nickel steel
		1,00	High corrosion resistance
		1,25	
		2,00	In the welded condition, however, 1.4301 is not resistant to intergranular corrosion
		2,25	
		2,50	
		3,00	
		4,00	
		5,00	
		6,00	
1.4310	X12CrNi17-7	0,20	A stainless austenitic chromium-nickel steel
		0,30	Combination of high chromium and nickel content
		0,40	
		0,50	
		0,60	Forms a metastable austenitic structure that hardens very strongly during cold forming
		0,70	
		0,80	- High proportion of friction martensite, material becomes magnetic - Spring-hard rolled
		1,00	
		1,20	
		1,50	

Material	Specification	Thickness in mm	Properties
1.4034	X46Cr13	0,50	Stainless martensitic chromium steel
		1,50	High hardness acceptance, combined with good corrosion resistance in moderately aggressive media with high carbon content
		2,00	
		2,50	Good hardenability due to high carbon content
		3,00	Suitable for chisels and shears
		3,50	
		4,00	
		4,50	
		5,00	
		6,00	
1.4404	X2CrNiMo17-13-2	0,80	- Stainless, austenitic chromium-nickel-molybdenum steel with low carbon content - Resistant to intercrystalline corrosion when welded - Rust and acid-resistant cast steel
1.4024	X15Cr13	1,80	Stainless, martensitic chromium steel
		2,25	High chromium content and good corrosion resistance in moderately aggressive, non-chlorinated media
		2,50	
		3,00	