

Corrosion Resistance of standard types of Stainless Steel to various types of Environments.

Type	Mild atmospheric and fresh water	Atmospheric		Salt water	Chemical		
		Industrial	Marine		Mild	Oxidizing	Reducing
Austenitic stainless steel							
201	X	X	X		X	X	
201	X	X	X		X	X	
205	X	X	X		X	X	
301	X	X	X		X	X	
302	X	X	X		X	X	
302B	X	X	X		X	X	
303	X	X			X		
303Se	X	X			X		
304	X	X	X		X	X	
304H	X	X	X		X	X	
304L	X	X	X		X	X	
304N	X	X	X		X	X	
S30430	X	X	X		X	X	
305	X	X	X		X	X	
308	X	X	X		X	X	
309	X	X	X		X	X	
309S	X	X	X		X	X	
310	X	X	X		X	X	
310S	X	X	X		X	X	
314	X	X	X		X	X	
316	X	X	X	X	X	X	X
316F	X	X	X	X	X	X	X
316H	X	X	X	X	X	X	X
316L	X	X	X	X	X	X	X
316N	X	X	X	X	X	X	X
317	X	X	X	X	X	X	X
317L	X	X	X	X	X	X	X
321	X	X	X		X	X	
321H	X	X	X		X	X	
329	X	X	X	X	X	X	X
330	X	X	X	X	X	X	X
347	X	X	X		X	X	
347H	X	X	X		X	X	
348	X	X	X		X	X	
348H	X	X	X		X	X	
384	X	X	X		X	X	
Ferritic Stainless Steel							
405	X				X		
409	X				X		
429	X	X			X	X	
430	X	X			X	X	
430F	X	X			X		
430FSe	X	X			X		
434	X	X	X		X	X	
436	X	X	X		X	X	
442	X	X			X	X	
446	X	X	X		X	X	



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		Industrial	Marine		Mild	Oxidizing	Reducing
Martensitic stainless steel							
403	x						
410	x						
414	x						
416	x						
416Se	x						
420	x						
420F	x						
422	x						
431	x	x	x		x		
440A	x				x		
400B	x						
440C	x						
501							
502							
503							
504							
Precipitation-hardening stainless steel							
PH 13-8 Mo	x	x			x	x	
15-5 PH	x	x	x		x	x	
17-4 PH	x	x	x		x	x	
17-7 PH	x	x	x		x	x	

An "X" notation above indicates that the specific type is considered resistant to the corrosive environment.