

STAINLESS STEEL MANUFACTURED ALLOYS & GRADES

Austenitic Stainless Steels	
301, 301L, 301LN	High strength for roll formed structural components
302HQ	Low work hardening rate grade for cold heading fasteners
303, 303Se	Free-machining bar grades
304, 304L, 304H	Standard 18/8 grades
310, 310S, 310H	High temperature resistant grades
316, 316L, 316H	Improved resistance to pitting corrosion in chloride environments
321, 321H, 347	Stabilised grades for heavy section welding and high temperature applications
253MA (S30815)	High temperature resistant grade
904L	High resistance to general corrosion, pitting and stress corrosion cracking
Ferritic Stainless Steels	
AtlasCR12	Utility steel resistant to wet abrasion and mild corrosion
AtlasCR12Ti	Utility steel resistant to wet abrasion and mild corrosion – weld stabilised
409	Automotive exhaust grade – weld stabilised
430, 430F	Resistant to mildly corrosive environments
F18S / 439	Resistant to mildly corrosive environments – weld stabilised
F20S A	Ferritic alternative to grade 304 / 304L – weld stabilised
F18MS / 444 A	Ferritic alternative to grade 316 / 316L – weld stabilised
Duplex Stainless Steels	
2101	Lean duplex – economical alternative to 304 and 316
2304	Duplex alternative to grade 316
2205	Standard duplex stainless steel - high resistance to pitting and stress corrosion
2507	Super duplex with very high resistance to pitting and stress corrosion
2507Cu	Super duplex with very high resistance to pitting and stress corrosion
Martensitic Stainless Steels	
410	Standard martensitic grade for low-duty hardened applications
416	Free-machining bar grade
420	Higher hardness martensitic grade for cutlery, cutting tools and dies
431	High hardness and toughness grade, primarily for shafting
440A, 440B, 440C	Very high hardness grades used in cutting tools
Precipitation Hardening Stainless Steel	
630 (17-4PH)	High strength shafting grade