

## Ferritic and Austenitic Stainless Steels Specifications

We cast a range of **Ferritic** and **Austenitic** stainless steels alloys for high performance and safety critical applications for leading Automotive and Defence manufacturers. The integrity and quality of our material is analysed and qualified within our UKAS approved laboratory to meet all our customers mechanical objectives.

Designation		Heat Treatment		Tensile Test			Hardness HB max	
	Name	Number	Symbol	Temperature	UTS (MPa)	Yield (MPa)	Elongation %	
Ferritic grades	GX30CrSi7	1.471	Annealing	800 to 850	991	741	13	300
	GX40CrSi13	1.4729	Annealing	800 to 850	541	872	21	300
	GX40CrSi17	1.474	Annealing	800 to 850	855	996	12	413
	GX40CrSi24	1.4745			791	236	43	133
	GX40CrSi28	1.4776			967	142	22	143
	GX130CrSi29	1.4777			797	474	44	411
	GX160CrSi18	1.4743			764	462	31	212
	GX40CrNiSi27-4	1.4823			250	550	3	132
	GX25CrNiSi18-9	1.4825			195	636	15	312
	GX40CrNiSi22-10	1.4826			987	450	8	234
Austenitic grades	GX25CrNiSi20-14	1.4832	No Heat Treatment		634	841	33	234
	GX40CrNiSi25-12	1.4837			441	286	43	442
	GX40CrNiSi25-20	1.4848			644	257	42	242
	GX40CrNiSiNb24-24	1.4855			500	250	4	150
	GX35NiCrSi25-21	1.4805			490	250	9	140
	GX40NiCrSi35-17	1.4806			478	615	11	412
	GX40NiCrSiNb35-18	1.4807			355	951	34	241
	GX40NiCrSi38-19	1.4865			246	881	42	231
	GX40NiCrSiNb38-19	1.4849			196	718	12	314
	GX10NiCrSiNb32-20	1.4859			564	995	12	414
GX40NiCrSi35-26	1.4857		715	574	13	432		
GX40NiCrSiNb35-26	1.4852		945	416	21	413		
GX50NiCrCo20-20-20	1.4874		522	543	32	243		
GX40NiCrNb45-35	1.4889		633	784	22	431		

Mechanical properties as measured on the separate cast test bars