

**- CHARACTERISTIC AND USE OF PRODUCT -**

Div.	EN	ASTM	UNS	Particular features	Example applications
MARTENSITIC	1.4006	410	S41000	Good quench ability. Delivery possible in the quenched condition	crushers - aeronautical engineering - distillation column plates
	1.4021	420	-		cutting tools - cutlery - mechanical parts - building tools
	1.4028	420	S42000		cutlery - cutting tools - wear components
	1.4419	-	-		cutlery - cutting tools - building tools
	1.4034	-	-		cutlery - surgical implements
	1.4116	-	-		cutlery - cutting tools - building tools
FERRITIC	1.4	410S	S41008	high temperature oxidation resistance up to 650 °C	maintenance parts - finned tubes - distillation column plates
	1.4512	409	S40900	good high temperature oxidation resistance	automobile exhaust systems
	1.4003	-	S41003	grade for welded structures	containers - railway vehicles - hoppers - industrial equipment
	1.4016	430	S43000	bright annealed for appearance-sensitive parts - F 18 for coin blanks	household equipment - decorative components - appliances - tableware
	1.451	430Ti	S43036	titanium improves weld ability and cold formability	appliances - sinks - tubes - burners
	1.451	439	-	complies with the AISI 439 standard	hot water tanks - sugar refinery tubing
	1.4113	434	S43400	molybdenum enhances the corrosion resistance	decorative automobile profiles
	1.4017	-	-	high mechanical strength after quenching and cold working	conveyor belts
	1.4509	-	S43932	improved mechanical strength at high temperatures	exhaust systems - catalytic converters - burners
	1.4526	436	S43600	attractive appearance after deformation, without roping	exhaust systems - automobile beading - cooking utensils - domestic appliances
	1.4521	444	S44400	resistance to pitting corrosion identical to that of 18.11 ML (316L)	hot water tanks - boilers - fume ducts - various heat exchangers
AUSTENITIC	1.431	301	S30100	cold working grade	springs - mechanical components
	1.4318	301LN	S30103	higher strength in the cold worked condition	railway vehicles, structural applications
	1.4301	304	S30400	the basic low carbon austenitic grade	tableware - cooking utensils - decoration - collective catering
	1.4301	304	S30400	extra deep drawing grade	sinks - dishwashers - pressure cookers - champagne buckets
	1.4307	304L	S30403	very low carbon grade - good weld ability	boiler work - heat exchangers - expanded metal - nuclear engineering
	1.4541	321	S32100	titanium-stabilized - corrosion resistance in weld zones - creep strength	tubes - aeronautical engineering - boiler work
	1.4303	305	S30500	deep drawing - non-magnetic	electronic components
MOLYBDENUM CONTAINING AUSTENITIC	1.4401	316	S31600	molybdenum-containing austenitic grade	tubes - boiler work - road transport tanks - hot water tanks
	1.4404	316L	S31603	very low carbon molybdenum-containing grade - good weld ability	tubes - boiler work - road transport tanks - hot water tanks (large thicknesses)
	1.4435	316L	S31603	high molybdenum very low carbon grade - improved corrosion resistance + weld ability	tanks for chemicals and foodstuffs - marine engineering applications
	1.4432	316L	S31603	idem - slightly lower Ni content	
	1.4571	316Ti	S31635	titanium-stabilized grade for welding applications	chemical and oil industry applications, high temperatures
	1.4438	317L	S31703	3% Mo grade - improved corrosion resistance	off-shore structures, tanks for chemicals and foodstuffs - marine engineering
HEAT RESISTING STEELS	1.4828	-	-	high temperature oxidation resistance up to 950 °C	heating equipment
	1.4833	309S	S30908	high temperature oxidation resistance up to 1050 °C	heating element sheaths
	1.4845	310S	S31008	high temperature oxidation resistance up to 1100 °C	furnace equipment