

	Designation EN 88-2 2014		ner BS Sta (Wire Onl			nerican tion (ASTM)					TYPICAL	CHEMICA	L COM	POSITION %			
Number			BS 1554 1990 (Annealed) BS 2056 1991 (Hard) nearest fit			UNS nearest fit	С	Si	Mn	Р	S	Cr	Мо	Ni	N	Cu	Other
					fit		AUS	TENITIC	S								
-	-		-		205	S 20500							-				
1.4310	X10CrNi18-8	301S26			301	S 30100	0.05 - 0.15	1.00 - 2.00	2.0	0.045	0.015 - 0.030	16.00 - 19.00	0.8	6.0 - 9.5	0.10	-	-
1.4310	X10 Cr Ni 18-8	302S26 (Hard) 302S31 (Annealed)			302	S 30100	0.05 - 0.15	2.0	2.0	0.045	0.015	16.00 - 19.00	-	6.00 - 9.50	0.11	-	-
1.4305	X8CrNiS18-9		303S31		303	-			I				-		I		
1.4301	X5 Cr Ni 18-10	304S31 3		S31 304S15		S 30400	0.07	1.0	2.0	0.045	0.015	17.5 - 19.5	-	8.0 - 10.5	0.10	-	-
1.4307	X2 Cr Ni 18-9		304S11		304L	S 30403	0.03	1.0	2.0	0.045	0.015	17.5 - 19.5	-	8.0 - 10.5	0.10	-	-
1.4303	X4 Cr Ni 18-12		-	305		S 30500	0.06	1.0	2.0	0.045	0.015	17.0 - 19.0	-	11.0 - 13.0	0.10	-	-
1.4401	X5 Cr Ni Mo 17- 12-2		316S42 316S31 (Annealed)		316	S31600	0.07	1.0	2.0	0.045	0.015	16.5 - 18.5	2.0 - 2.5	Strip: 10.5 - 13.5 Wire: 10.0 - 13.0	Strip: 0.10 Wire: 0.11	-	-
1.4436	X3 Cr Ni Mo17- 13-3	316	6S31 (Annealed) 316S33		316	S31600	0.05	1.0	2.0	0.045	0.015	16.5 - 18.5	2.5 - 3.0	10.5 - 13.0	0.10	-	-
1.4404	X2 Cr Ni Mo 17- 12-2	3	316S14 316S11		316L	S 31603	0.03	1.0	2.0	0.045	0.015	16.5 - 18.5	2.0 - 2.5	10.0 - 13.0	Strip: 0.10 Wire: 0.11	-	-
							FE	RRITICS									
1.4512	X2CrTi12		-		409	S 40900	0.03	1.0	1.0	0.04	0.015	10.5 - 12.5	1	- /	-	-	Ti (6x (C+N)) t 0.65
1.4006	X12Cr13	410S21			410S	S 41008	0.08 - 0.15	1.0	1.5	0.04	0.015	11.5 - 13.5	-	0.75	-	-	_
1.4021	X20Cr13	420S29 420S37			420	-			Available by Request						1		
1.4028	X30Cr13	420S45			420	-		Available by Request						uest			
1.4016	X6 Cr 17	4	30 S 17 430	S 18	430	S 43000	0.08	1.0	1.0	0.04	0.015	16.0 - 18.0	-	-	-	-	-
lechanical	Properties																
uropean D	esignation EN 100 2014	088-2	Former E	SS Standaı Only)	rd (Wire	American (As	Designat STM)	ion				Maximu	n tensi	le strength N/m	ım²		
Number	mber Name		BS 1554 1990 nea			AISI nearest fit							Wire dia 6.00 - Wire dia 1.50 - 0.50mm			- Wire dia 0.50 - 0.10mm	
_	_				T	205	S 20	TENITICS	5			Δι	ailable	by Request			
1.4310	X10CrNi18-	8	-			301	S 30100				Not			Strip products	available.	ble.	
1.4310	X10 Cr Ni 18	-8	302S26			302	302 S 30100		750			800		880		900	
1.4305		X8CrNiS18-9		303S31 304S31		303			700					by Request		870	
1.4301		X5 Cr Ni 18-10 X2 Cr Ni 18-9		304S31 304S11		304L			700 650			770 750		775		870	
1.4303	X4 Cr Ni 18-	X4 Cr Ni 18-12		-		305	S 30500				Not	Not available as wire.		Strip products a	available.	lable.	
1.4401	X5 Cr Ni Mo 17	X5 Cr Ni Mo 17-12-2				316	S31600		700			770		820		870	
1.4436		X3 Cr Ni Mo17-13-3 X2 Cr Ni Mo 17-12-2				316 316L		S31600 S 31603		650		Not available as wire.		Strip products a	available.	ilable. 850	
1.4404	AZ CI WI WIO 17	12-2		310314		3101		RRITICS		030		730		773			
1.4512	X2CrTi12			*-		409	409 S 40900			Not available as wire. Strip products available.							
1.4006	X12Cr13			410S21 430S17 430S		410S		S 41008				Not available as wire.			available.		
1.4016	X6 Cr 17		430S17 430S		18	430	S 43000			610		620		630		650	
STAINLES: MATERIAL APPLICAT	S STEEL ALLOYS: FEATURES AND TIONS European EN 10088-2 2014	St (W	rmer BS andard ire Only)	Desig	erican Ination STM)												
Number	Name	В	1990	AISI nearest	UNS nearest					Key F	eatures				K	(ey Ma	rkets
1.4301	X5 Cr Ni 18-10	The most common grade of Stainless Steel due to its versatility. It has a high nicke content to increase strength, hardness and ductility. Its popularity can it part be attributed to this alloy's superior formability, welding and deep drawing properties. high chromium content also provides excellent corrosion resistance in oxidizing environments and moderate protection in some acidic conditions. High hardness and strength can be achieved through cold working. Although a non-magnetic grade, magnetic properties can arise through cold working.								A Autom	Food, Medical.						
1.4307	X2 Cr Ni 18-9	3	304 S 11	304L	S 30403	oxida apprecia and m	Carbon version of 304 (1.4301) is ideal for more corrosive environments with dation resistance to a maximum temperature of 899°C (1650°F) without ciable scaling. It offers greater resistance to intergranular corrosion in welds moderate pitting corrosion resistance. It has good welding characteristics, agh other grades are better suited for applications specifying stress relief.										
1.4404	X2 Cr Ni Mo 17 12-2	- 3	316S14	316L	S 31603	suited corrosior	The Low Carbon version of 316 (1.4401), offers better corrosion resistance and is better suited for uses at sensitization temperatures, such as welding, as intergranular corrosion resistance is increased. Slightly more corrosion resistant than 316 (1.4401). More heavily alloyed, this grade has excellent corrosion resistance in Food, Beverage and Agricultural applications.						Pe Autor	Chemical Processing Petrochemical, Automotive, Marine, Food, Agricultural			
1.4432	X2 Cr Ni Mo 17 12-3	316L	S 31603	suited corrosior	The Low Carbon version of 316 (1.4401), offers suited for uses at sensitization temperature corrosion resistance is increased. Slightly management of the suite o					ore corrosion resistant than 316 (1.4401). It corrosion resistance in Food, Beverage				Chemical Processing Petrochemical, Automotive, Marine, Food, Agricultural			
1.4006	X12Cr13	4	410S21	410S S 41008 compared to austenitic grades, this alloy has a higher heat conductivity and a low										emical Mining			