

STALE	STRUKTURA	DOSTĘPNE ZE SKŁADU	NORMA EUROPEJSKA 10088	ODPOWIEDNIKI STALI				SKŁAD CHEMICZNY % **									
				PN POLSKA	AISI USA	GOST ROSJA	DIN GERMANY	C	Si	Mn	P	S	N	Cr	Mo	Ni	INNE
ŻAROODPORNE	AUSTENITYCZNA	●	1.4301	0H18N9	304	08Ch18N10	X5CrNi18-10	0.07	1.0	2.0	0.045	0.015*	0.11	17,5-19,5		8.0-10.5	
			1.4305		303		X8CrNiS18-9	0.1	1.0	2.0	0.045	0.15-0.35	0.11	17.0-19.0		8.0-10.0	Cu≤1.0
			1.4306	00H18N10	304L	03Ch18N11	X2CrNi19-11	0.03	1.0	2.0	0.045	0.015*	0.11	18.0-20.0		10.0-12.0	
		●	1.4307		(304L)			0.03	1.0	2.0	0.045	0.015*	0.11	17,5-19,5		8,0-10,5	
			1.4310	1H18N9	301		X10CrNi18-8	0.05-0.15	2.0	2.0	0.045	0.015	0.11	16,0-19,0	0.80	6,0-9,5	
		●	1.4401	0H17N12M2	316		X5CrNiMo17-12-2	0.07	1.0	2.0	0.045	0.015*	0.11	16,5-18,5	2,0-2,5	10,0-13,0	
		●	1.4404	00H17N14M2	316L		X2CrNiMo17-12-2	0.03	1.0	2.0	0.045	0.015*	0.11	16,5-18,5	2,0-2,5	10,0-13,0	
			1.4435		316L	03Ch17N14M3	X2CrNiMo18-14-3	0.03	1.0	2.0	0.045	0.015*	0.11	17,0-19,0	2,5-3,0	12,5-15,0	
			1.4436		316		X3CrNiMo17-13-3	0.05	1.0	2.0	0.045	0.015*	0.11	16,5-18,5	2,5-3,0	10,5-13,0	
			1.4529		UNS N08925		X1NiCrMoCuN25-20-7	0.02	0.5	1.0	0.030	0.010	0.15-0.25	19,0-21,0	6,0-7,0	24,0-26,0	Cu 0.5-1.5
			1.4539	0H22N24M4TCu	UNS N08904		X1NiCrMoCu25-20-5	0.02	0.7	2.0	0.030	0.010	0.15	19,0-21,0	4,0-5,0	24,0-26,0	Cu 1.2-2.0
		●	1.4541	0H18N10T 1H18N9T/1H18N10T	321	06Ch18N10T 08Ch18N10T 09Ch18N10T 12Ch18N10T	X6CrNiTi18-10	0.08	1.0	2.0	0.045	0.015*		17,0-19,0		9,0-12,0	Ti(5xC÷0.7)
			1.4547		UNS S31254			0.02	0.7	1.0	0.030	0.010	0.18-0.25	19,5-20,5	6,0-7,0	17,5-18,5	Cu 0.5-1.0
		●	1.4571	H17N13M2T H18N10MT	316 Ti	10Ch17N13M2T	X6CrNiMoTi17-12-2	0.08	1.0	2.0	0.045	0.015		16,5-18,5	2,0-2,5	10,5-13,5	Ti(5XC÷0.7)
	FERRYTYCZNA	●	1.4003			X2CrNi12	0.030	1.0	1.5	0.040	0.015*	0.03	10,50-12,50		0,30-1,00		
		●	1.4512		409	X2CrTi12	0.030	1.0	1.0	0.040	0.015		10,50-12,50			Ti:[6x(C+N)]÷0.65	
		●	1.4016	H17	430	12Ch17	X6Cr17	0.080	1.0	1.0	0.040	0.015*		16,00-18,00			
			1.4510	0H17T	430Ti/439	08Ch17T	X3CrTi17/X6CrTi17	0.050	1.0	1.0	0.040	0.015*		16,00-18,00		Ti:[4x(C+N)+0.15]÷0.80	
			1.4521		444		X2CrMoTi18-2	0.025	1.0	1.0	0.040	0.015	0.03	17,00-20,00	1,80-2,50		Ti:[4x(C+N)+0.15]÷0.80
		●	1.4509		441		X2CrTiNb18	0.030	1.0	1.0	0.040	0.015		17,50-18,50			Nb:(3xC+0.30)÷1.00 Ti:0.10-0.60
	DUPLEX		1.4362		UNS S32304		0.03	1.0	2.0	0.035	0.015		22,0-24,0	0.1-0.6	3,5-5,5	Cu 0.1-0.6	
			1.4410				0.03	1.0	2.0	0.035	0.015	0.05-0.20	24,0-26,0	3,0-4,5	6,0-8,0		
		●	1.4462		UNS S31803	X2CrNiMoN22-5-3	0.03	1.0	2.0	0.035	0.015	0.24-0.35	21,0-23,0	2,5-3,5	4,5-6,5		
	MARTENZYTYCZNA		1.4006	1H13	410	12Ch13/15Ch13L	X12Cr13/X10Cr13	0.08-0.15	1.0	1.5	0.040	0.015*		11,50-13,50		0.75	
			1.4021	2H13	420	20Ch13	X20Cr13	0.16-0.25	1.0	1.5	0.040	0.015*		12,00-14,00			
			1.4028	3H13	420	30CH13	X30Cr13	0.26-0.35	1.0	1.5	0.040	0.015*		12,00-14,00			
			1.4031	4H13		40Ch13	X39Cr13/X38Cr13	0.36-0.42	1.0	1.0	0.040	0.015*		12,50-14,50			
			1.4034	4H13		40Ch13	X46Cr13	0.43-0.50	1.0	1.0	0.040	0.015*		12,50-14,50			
		1.4057	4H17N/2 2H17N2	431	20Ch17N2	X17CrNi16-2	0.12-0.22	1.0	1.5	0.040	0.015*		15,00-17,00		1,50-2,50		
		1.4122	3H17M			X35CrMo17	0.33-0.45	1.0	1.5	0.040	0.015*		15,50-17,50	0,80-1,30	1.0		
FERRYTYCZNA		1.4724	H13JS		10Ch13Sju	X10CrAlSi13	0.12	0.7-1.4	1.0	0.040	0.015		12,0-14,0			Al 0.7-1.2	
		1.4742	H18JS		15Ch18Sju	X10CrAlSi18	0.12	0.7-1.4	1.0	0.040	0.015	0.10-0.22	17,0-19,0			Al 0.7-1.2	
	1.4762	H24JS	(446)		X10CrAlSi25	0.12	0.7-1.4	1.0	0.040	0.015		23,0-26,0			Al 1.2-1.7		
AUSTENITYCZNA	●	1.4828	H20N12S2	309	20Ch20N14S2	X15CrNiSi20-12	0.20	1.5-2.5	2.0	0.045	0.015	0.11	19,0-21,0		11,0-13,0		
		1.4841	H25N20S2	314/310	20Ch25N20S2	X15CrNiSi25-21	0.20	1.5-2.5	2.0	0.045	0.015	0.11	24,0-26,0		19,0-22,0		
		1.4845	(H23N18)	310S	20Ch23N18	X8CrNi25-21	0.10	1.5	2.0	0.045	0.015	0.11	24,0-26,0		19,0-22,0		
	●	1.4878		321		X10CrNiTi18-10	0.10	1.0	2.0	0.045	0.015		17,0-19,0		9,0-12,0	Ti(5xC÷0.18)	

* W stalach przeznaczonych do produkcji walcówki, prętów, kształtowników i stosownych półwyrobów, zawartość S max. 0,030 %.
W stalach na wyroby podlegające obróbce skrawaniem zaleca się i dopuszcza regulowaną zawartość siarki od 0,015 do 0,030 %.

** Maksymalna zawartość, chyba że podano inaczej