



MALVINOX

***ODPOWIEDNIKI
GATUNKÓW STALI***



ODPOWIEDNIKI GATUNKÓW STALI

EN	PN	AISI	GOST	DIN
1.4000	0H13	403 41 OS	08Ch13	X6Cr13
1.4003	-	-	-	X2CrNi12
1.4016	H17	430	12Ch17	X6Cr17
1.4510	0H17T	430Ti 439	08CM7T	X3CrTi17X6CrTi17
1.4006	1H13	410	12Ch13 / 15Ch13L	X12Cr13X10Cr13
1.4021	2H13	420	20Ch13	X20Cr13
1.4028	3H13	420 F	30Ch13	X30Cr13
1.4031	4H13	-	40Ch13	X39Cr13 X38Cr13
1.4034	4H13	-	40Ch13	X46Cr13
1.4057	4H17N / 22H17N2	431	20Ch17N2	X17CrNi16-2
1.4122	3H17M	-	-	X35CrMo17
1.4301	0H18N9	304	08Ch18N10	X5CrNi18-10
1.4305	-	303	-	X8CrNiS18-9
1.4306	00H18N10	304L	03Ch18N11	X2CrNi19-11
1.4307	-	(304L)	-	-
1.4310	1H18N9	301	-	X10CrNi18-8
1.4401	0H17N12M2T	316	-	X5CrNiMo17-12-2
1.4404	00H17N14M2	316L	-	X2CrNiMo17-12-2
1.4435	-	316L	03Ch17N14M3	X2CrNiMo18-14-3
1.4436	-	316	-	X3CrNiMo17-13-3
1.4438	-	317L	-	X2CrNiMo18-15-4
1.4439	-	(317LN)	-	X2CrNiMoN17-13-5
1.4529	-	UNS N08925	-	X1 NiCrMoCu25-20-7
1.4539	0H22N24M4TCU	904L	-	X1 NiCrMoCu25-20-5
1.4541	0H18N10T 1H18N9T 1H18N10T	321	06Ch18N10T 08Ch18N10T 09Ch18N10T 12Ch18N10T	X6CrNiTi18-10
1.4547	-	UNS S31254	-	-
1.4550	0H18N12Nb	347348	03Ch17N14M3	X6CrNiNb18-10
1.4571	H17N13M2T H18N10MT	316 Ti	10Ch17N13M2T	X6CrNiMoTi17-12-2
1.4362	-	UNS S32304	-	-
1.4410	-	-	-	-
1.4460	-	329	-	X3CrNiMoN27-5-2
1.4462	-	UNS S31803	-	X2CrNiMoN22-5-3
1.4718	H9S2	HNV3	40Ch9S2	X45CrSi9-3
1.4724	H13JS	-	10Ch13SJ _u	X10CrAlSi13
1.4742	H18JS	-	15Ch18SJ _u	X10CrAlSi18
1.4749	(H25T)	(446)	-	X18CrN28
1.4762	H24JS	(446)	-	X10CrAlSi25
1.7362	H5M	-	-	12CrMo19-5 / X12CrMo5
1.4828	H20N12S2	309	20Ch20N14S2	X15CrNiSi20-12
1.4833	(H23N13)	309S	-	X12CrNi23-13
1.4841	H25N20S2	314310	20Ch25N20S2	X15CrNiSi25-21
1.4843	H23N18	-	-	CrNi25-20 X16CrNi25-20
1.4845	(H23N18)	31 OS	20Ch23N18	X8CrNi25-21
1.4864	H16N36S2	330	-	X12NiCrSi35-16
1.4876	-	B163	-	X10NiCrAlTi32-21
1.4878	-	321	-	X10CrNiTi18-10

SKŁAD CHEMICZNY %

EN	C	Si	Mn	P	S	N	Cr	Mo	Ni	inne
1.4000	<=0.08	<=1.0	<=1.0	<=0.04			12.0-14.0			
1.4003	<=0.03	<=1.0	<=1.5	<=0.04	<=0.015	<=0.03	10.5-12.5		0.30-1.00	Ti4x(C+N)+ 0.15<=0.80
1.4016	<=0.08	<=1.0	<=1.0	<=0.04	<=0.015		16.0-18.0			
1.4510	<=0.05	<=1.0	<=1.0	<=0.04			16.0-18.0			
1.4006	0.08-0.15	<=1.0	<=1.5	<=0.04	<=0.015		11.5-13.5		<=0.75	
1.4021	0.16-0.25	<=1.0	<=1.5	<=0.04	<=0.015		12.0-14.0			
1.4028	0.26-0.35	<=1.0	<=1.5	<=0.04	<=0.015		12.0-14.0			
1.4031	0.36-0.42	<=1.0	<=1.0	<=0.04	<=0.015		12.5-14.5			
1.4034	0.43-0.50	<=1.0	<=1.0	<=0.04	<=0.015		12.5-14.5			
1.4057	0.12-0.22	<=1.0	<=1.5	<=0.04	<=0.015		15.0-17.0		1.5-2.5	
1.4122	0.33-0.45	<=1.0	<=1.5	<=0.04	<=0.015		15.5-17.5	0.8-1.3	<=1.0	
1.4301	<=0.07	<=1.0	<=2.0	<=0.045	<=0.015	<=0.011	17.0-19.5		8.0-10.5	
1.4305	<=0.10	<=1.0	<=2.0	<=0.045	0.15-0.35	<=0.011	17.0-19.0		8.0-10.0	Cu<=1.0
1.4306	<=0.03	<=1.0	<=2.0	<=0.045	<=0.015	<=0.011	18.0-20.0		10.0-12.0	
1.4307	<=0.03	<=1.0	<=2.0	<=0.045	<=0.015	<=0.011	17.5-19.5		8.0-10.0	
1.4310	0.05-0.15	<=2.0	<=2.0	<=0.045	<=0.015	<=0.011	16.0-19.0	<=0.08	6.0-9.5	
1.4401	<=0.07	<=1.0	<=2.0	<=0.045	<=0.015	<=0.011	16.5-18.5	2.0-2.5	10.0-13.0	
1.4404	<=0.03	<=1.0	<=2.0	<=0.045	<=0.015	<=0.011	16.5-18.5	2.0-2.5	10.0-13.0	
1.4435	<=0.03	<=1.0	<=2.0	<=0.045	<=0.015	<=0.011	17.0-19.0	2.5-3.0	12.5-15.0	
1.4436	<=0.05	<=1.0	<=2.0	<=0.045	<=0.015	<=0.011	16.5-18.5	2.5-3.0	10.5-13.0	
1.4438	<=0.03	<=1.0	<=2.0	<=0.045	<=0.015	<=0.011	17.5-19.5	3.0-4.0	13.0-16.0	
1.4439	<=0.03	<=1.0	<=2.0	<=0.045	<=0.015	0.12-0.22	16.5-18.5	4.0-5.0	12.5-14.5	
1.4529	<=0.02	<=0.5	<=1.0	<=0.03	<=0.01	0.15-0.25	19.0-21.0	6.0-7.0	24.0-26.0	Cu 0.5-1.5
1.4539	<=0.02	<=0.7	<=2.0	<=0.03	<=0.01	<=0.015	19.0-21.0	4.0-5.0	24.0-26.0	Cu 1.2-2.0
1.4541	<=0.08	<=1.0	<=2.0	<=0.045	<=0.015		17.0-19.0		9.0-12.0	Ti5xC< 0.7
1.4547	<=0.02	<=0.7	<=1.0	<=0.03	<=0.01	0.18-0.25	19.5-20.5	6.0-7.0	17.5-18.5	Cu 0.5-1.0
1.4550	<=0.08	<=1.0	<=2.0	<=0.045	<=0.015		17.0-19.0		9.0-12.0	Nb10xC<1.0
1.4571	<=0.08	<=1.0	<=2.0	<=0.045	<=0.015		16.5-18.5	2.0-2.5	10.5-13.5	Ti5xC< 0.7
1.4362	<=0.03	<=1.0	<=2.0	<=0.035	<=0.015	0.05-0.20	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	0.20-0.3	24.0-26.0	3.0-4.5	6.0-8.0	
1.4460	<=0.05	<=1.0	<=2.0	<=0.035	<=0.015	0.05-0.20	25.0-28.0	1.3-2.0	4.5-6.5	
1.4462	<=0.03	<=1.0	<=2.0	<=0.035	<=0.015	0.10-0.22	21.0-23.0	2.3-3.5	4.5-6.5	
1.4718	0.40-0.50	2.70-3.30	<=0.8	<=0.04	<=0.03		8.0-10.0		<=0.6	
1.4724	<=0.12	0.7-1.4	<=1.0	<=0.040	<=0.015		12.0-14.0			Al 0.7-1.2
1.4742	<=0.12	0.7-1.4	<=1.0	<=0.040	<=0.015		17.0-19.0			Al 0.7-1.2
1.4749	0.15-0.20	<=1.0	<=1.0	<=0.045	<=0.015	0.15-0.25	26.0-29.0			Al 0.7-1.2
1.4762	<=0.12	0.7-1.4	<=1.0	<=0.040	<=0.015		23.0-26.0			Al 1.2-1.7
1.7362	<=0.15	<=0.5	<=0.5	<=0.035	<=0.030		4.5-6.0	0.45-0.60	<=0.5	
1.4828	<=0.20	1.5-2.0	<=2.0	<=0.045	<=0.030	<=0.011	19.0-21.0		11.0-13.0	
1.4833	<=0.15	<=1.0	<=2.0	<=0.045	<=0.030	<=0.011	22.0-24.0		12.0-14.0	
1.4841	<=0.20	1.5-2.5	<=2.0	<=0.045	<=0.030	<=0.011	24.0-26.0		19.0-22.0	
1.4843	<=0.20	<=1.0	<=1.5	<=0.045	<=0.030		22.0-25.0		17.0-20.0	
1.4845	<=0.10	<=1.5	<=2.0	<=0.045	<=0.030	<=0.011	24.0-26.0		19.0-22.0	
1.4864	<=0.15	1.0-2.0	<=2.0	<=0.045	<=0.030	<=0.011	15.0-17.0		33.0-37.0	
1.4876	<=0.12	<=1.0	<=2.0	<=0.045	<=0.030		19.0-23.0		30.0-34.0	Ti 0.15-0.60 Al 0.15-0.60
1.4878	<=0.10	<=1.0	<=2.0	<=0.045	<=0.030		17.0-19.0		9.0-12.0	Ti5xC<=0.18