STALE ODPORNE NA KOROZJĘ I ICH ODPOWIEDNIKI W NORMACH ZAGRANICZNYCH

STALE FERRYTYCZNE

EN		PN	DIN	BS	AISI/ASTM	SS	AFNOR	GOST	JIP Japonia	GB Chiny	KS Korea
X2CrNi12	1.4003	-	X2CrNi12	-	-	-	-				
X2CrTi12	1.4512	-	X2CrTi12	-	409	-	Z6CT12				
X6CrNiTi12	1.4516		X6CrNiTi12		410S						
X6Cr13	1.4000	OH13	X6Cr13	403 S 17	410S/403	2301	Z8C13	08Ch13			
X6CrAl13	1.4002	OH13J	X6CrAl13	405 S 17	405	-	Z8CA12				
X2CrTi17	1.4520		X2CrTi17								
X6Cr17	1.4016	H17	X6Cr17	430 S 17	430	2320	Z8C17	12Ch17	SUS430	1Cr17	STS430
X3CrTi17	1.4510	OH17T	X3CrTi17	-	430Ti/439	-	Z4C7-17	08Ch17T			
X3CrNb17	1.4511		X3CrNb17	-	-	-	Z4CNb17				
X6CrMo17-1	1.4113		X6CrMo17-1	434 S 17	434	2325	Z8CD17.01				
X6CrMoS17	1.4105		X6CrMoS17	-	430F	2382	Z6CDF18.02				
X2CrMoTi17-1	1.4513		X2CrMoTi17-1								
X2CrMoTi18-2	1.4521		X2CrMoTi18-2	-	443/444	2236	-				
X2CrMoTiS18-2	1.4523										
X6CrNi17-1	1.4017		X6CrNi17-1								
X6CrMoNb17-1	1.4526		X6CrMoNb17-1								
X2CrNbZr17	1.4590		X2CrNbZr17								
X2CrAlTi18-2	1.4605		X2CrAlTi18-2								
X2CrTiNb18	1.4509		X2CrTiNb18		441						
X2CrMoTi29-4	1.4592		X2CrMoTi29-4								

STALE MARTENZYTYCZNE I UMACNIANE WYDZIELENIOWO

EN		PN	DIN	BS	AISI/ASTM	SS	AFNOR	GOST	JIP Japonia	GB Chiny	KS Korea
X12CrS13	1.4006	1H13	X12Cr13	410 S 21	410	2302	Z12C13 Z10C13	12Ch13 lub 15Ch13L	SUS 410	1Cr12	STS 410
X12Cr13	1.4005	1H13	X12CrS13	416 S 21	416	-	Z12 CF13		SUS 416	Y1Cr13	STS 416
X20Cr13	1.4021	2H13	X20Cr13	420 S 37	420	2303	Z20C13	20Ch13	SUS 420J1	2Cr13	STS 420J1
X30Cr13	1.4028	3H13	X30Cr13	-	-	2304	Z30C13	30Ch13	SUS420J2	3Cr13	STS 420J2
X29CrS13	1.4029	-	X29CrS13	-	-	-	Z29CF13				
X39Cr13	1.4031	4H13	X39Cr13	-	-	-	Z40C14	40Ch13			
X46Cr13	1.4034	4H13	X46Cr13	-	-	2304	Z44C14	40Ch13			
X50CrMoV15	1.4116	-	X50CrMoV15	-	-	-	-				
X70CrMo15	1.4109		X70CrMo13	-	-	-	-				
X14CrMoS17	1.4104		X14CrMoS17	-	430F	2383	Z10CF17				
X39CrMo17-1	1.4122	3H17M	X39CrMo17-1	-	-	-	-				
X105CrMo17	1.4125	H18	X105CrMo17	-	440C	-	Z100CD17				
X90CrMoV18	1.4112		X90CrMoV18	-	440B	-	-				
X17CrNi16-2	1.4057	2H17N2	X17CrNi16-2	431 S 29	431	2321	Z15CN16.02	20Ch17N2			
X3CrNiMo13-4	1.4313		X3CrNiMo13-4	-	-	2384	Z4CND13.4				
X4CrNiMo16-5-1	1.4418		X4CrNiMo16-5-1	-	-	2387	-				
X5CrNiCuNb16-4	1.4542		X5CrNiCuNb16-4	-	630 (17-4PH)	-	Z7CNU17.04				
X7CrNiAl17-7	1.4568		X7CrNiAl17-7	-	631	-	Z9CNU17.07				
X8CrNiMoAl15-7-2	1.4532			-							
X5CrNiMoCuNb14-5	1.4594		X5CrNiMoCuNb14-5	-	-	-	-				

STALE AUSTENITYCZNE

EN		PN	DIN	BS	AISI/ASTM	SS	AFNOR	GOST	JIS Japonia	GB Chiny	KS Korea
X10CrNi18-8	1.4310	1H18N9	X10CrNi18-8	-	301	2331	Z12CN17.01		SUS 301	1Cr17Ni7	STS 301
X2CrNiN18-7	1.4318		X2CrNiN18-7						SUS 301L	-	STS 301L
X2CrNi18-9	1.4307		X2CrNi18-9	-	304L	-	-		SUS 304L	0Cr19Ni10	STS 304L
X2CrNi19-11	1.4306	00H18N10	X2CrNi19-11	304S11	304L	2352	Z2CN18.10	03Ch18N11	SUS 304L	00Cr19Ni10	STS 304L
X2CrNiN18-10	1.4311	0H18N10 z azotem	X2CrNiN18-10	304S61	304LN	2371	Z2CN18.10N		SUS 304LN	0Cr18Ni10N	STS 304LN
X5CrNi18-10	1.4301	0H18N9	X5CrNi18-10	304S31	304	2332	Z6CN18.09	08Ch18N10	SUS 304	0Cr18Ni9	STS 304
X8CrNiS18-9	1.4305	-	X8CrNiS18-9	303S31	303	2346	Z8CNF18.09		SUS 303	Y1Cr18Ni9	-
X6CrNiTi18-10	1.4541	1H18N9T lub 0H18N10T/ 1H18N10T	X6CrNiTi18-10	321S31	321	2337	Z6CNT18.10	06Ch18N10T 08Ch18N10T 09Ch18N10T 12Ch18N10T	SUS 321	0Cr18Ni10Ti	STS 321
X6CrNiNb18-10	1.4550	0H18N12Nb	X6CrNiNb18-10	347-S31	347	2338	Z6CNNb18.10	08Ch18N12B	SUS 347	0Cr18Ni11Nb	STS 347
X4CrNi18-12	1.4303	-	X4CrNi18-12	-	305	-	Z8CN18.12		SUS 305J1	1Cr18Ni12	STS 305
X1CrNi25-21	1.4335										
X2CrNiMo17-12-2	1.4404	00H17N14M2	X2CrNiMo17-12-2	316S11	316L	2348	Z2CND17.12		SUS316L	00Cr17Ni14Mo2	STS 316L
X2CrNiMo17-11-2	1.4406		X2CrNiMo17-11-2	316S61	316LN		Z3CDN17.12Az		SUS 316LN	00Cr17Ni12Mo2N	STS 316LN
X5CrNiMo17-12-2	1.4401	0H17N12M2T	X5CrNiMo17-12-2	316S31	316	2347	Z6CND17.11		SUS 316	0Cr17Ni12Mo2	STS 316
X1CrNiMoN25-22-2	1.4466										
X6CrNiMoTi17-12-2	1.4571	H17N13M2T lub H18N10MT	X6CrNiMoTi17-12-2	320S31	316Ti	2350	Z6CNDT17.12	10Ch17N12M2T	SUS 316Ti	0Cr18Ni12Mo2Ti	STS 316Ti
X6CrNiMoNb17-12-2	1.4580		X6CrNiMoNb17-12-2	318S17	316Cb	-	Z6CNDNb17.12				
X2CrNiMo-17-12-3	1.4432		X2CrNiMo-17-12-3	-	316L	-	-		SUS 316L	00Cr17Ni14Mo2	STS 316L
X2CrNiMo17-13-3	1.4429		X2CrNiMo17-13-3	316S63	316LN	2375	Z3CND17.13Az		SUS 316LN	00Cr17Ni13Mo2N	STS 316LN
X3CrNiMoN17-3-3	1.4436	00H17N14M2	X3CrNiMoN17-3-3	316S33	316	2343	Z6CND17.12.03		SUS 316	0Cr17Ni12Mo2	STS 316
X3CrNiMo18-14-3	1.4435	00H17N14M2	X2CrNiMo18-14-3	316S13	316L	2353	Z2CND17.13	03Ch17N14M3	SUS 316L	00Cr17Ni14Mo2	STS 316L
X2CrNiMo18-12-4	1.4434										
X2CrNiMo18-15-4	1.4438	00H17N14M2	X2CrNiMo18-15-4	-	317L	2367	Z2CND19.15.04		SUS 317L	00Cr19Ni13Mo3	STS 317L
X2CrNiMoN17-13-5	1.4439		X2CrNiMoN17-13-5	-	316LMN	-	-		-	-	-
X1CrNiSi18-15-4	1.4361		X1CrNiSi18-15-4	-	-	-	Z1CNS17.15				
X12CrMnNiN17-7-5	1.4372						Z12CMN17.07Az				
X2CrMnNi17-7-5	1.4371			202S16	202		Z3CMN17.07Az				
X12CrMnNiN18-9-5	1.4373			284S16							
X3CrNiCu19-9-2	1.4560		X3CrNiCu19-9-2	-	-	-	Z4CNU19.09FF				
X6CrNiCuS18-9-2	1.4570		X6CrNiCuS18-9-2	-	-	-	Z8CNUF18.09				
X3CrNiCu18-9-4	1.4567		X3CrNiCu18-9-4	394S17	304Cu	-	Z6CNU18.10				
X3CrNiCuMo17-11-3-2	1.4578		X3CrNiCuMo17-11-3-2	-	-	-	Z4CNUD17.11.03FF				
X1NiCrMoCu31-27-4	1.4563		X1NiCrMoCu31-27-4	-	N08028	2584	Z2NCDU31.27				
X1NiCrMoCu25-20-5	1.4539	0H22N24M4TCu	X1NiCrMoCu25-20-5	-	UNS8904	-	X2CNDU25.20.04		-	-	STS 317J5L
X1CrNiMoCuN25-25-5	1.4537		X1CrNiMoCuN25-25-5	-	-	-	Z2NCDU25.05Az				
X1CrNiMoCuN20-18-7	1.4547				AIB2(F44)				-	-	-
X1NiCrMoCuN25-20-7	1.4529		X1NiCrMoCuN25-20-7	-	-	-	-				