

Stainless steel grades listed in the international standard ISO 15510:2010

Comparative designations of grades with similar composition from other important standards.
(listed by type of steel structure and by increasing intermediate 3-digits code of the ISO name)



Type	ISO-Name (1)	ISO Designation	EN	UNS	AISI	JIS	GB(国标)
M	4119-410-92-C	X13CrMo13	1.4119()			SUS410J1	S45710
M	4024-410-09-E	X15Cr13	1.4024			SUS410	
M	4006-410-00-I	X12Cr13	1.4006	S41000	410	SUS410	S41010
M	4415-415-92-E	X2CrNiMoV13-5-2	1.4415				
M	4313-415-00-I	X3CrNiMo13-4	1.4313	S41500		SUSF6NM	S41595
M	4642-416-72-J	X13CrPb13	1.4642()			SUS410F2	
M	4005-416-00-I	X12CrS13	1.4005	S41600	416	SUS416	S41617
M	4038-420-00-I	X52Cr13	1.4038()	S42000			
M	4039-420-09-I	X60Cr13	1.4039()				
M	4419-420-97-E	X38CrMo14	1.4419				S35830
M	4110-420-69-E	X55CrMo14	1.4110				
M	4116-420-77-E	X50CrMoV15	1.4116				
M	4035-420-74-E	X46CrS13	1.4035				
M	4034-420-00-I	X46Cr13	1.4034	S42000			S42040
M	4643-420-72-J	X33CrPb13	1.4643()			SUS420F2	
M	4029-420-20-I	X33CrS13	1.4029	S42020	420F	SUS420F	S42037
M	4031-420-00-I	X39Cr13	1.4031	S42000	420		S42040
M	4028-420-00-I	X30Cr13	1.4028	S42000	420	SUS420J2	S42030
M	4021-420-00-I	X20Cr13	1.4021	S42000	420	SUS420J1	S42020
M	4923-422-77-E	X22CrMoNiV12-1	1.4923				
M	4929-422-00-I	X23CrMoWmNiV12-1-1	1.4929()	S42200	422	SUH616	S47220
M	4058-429-99-J	X33Cr16	1.4058()			SUS429J1	
M	4019-430-20-I	X14CrS17	1.4019,1.4104	S43020	430F		S11717
M	4418-431-77-E	X4CrNiMo16-5-1	1.4418				
M	4123-431-77-E	X40CrMoVN16-2	1.4123				
M	4057-431-00-X	X17CrNi16-2	1.4057	S43100	431	SUS431	S43120
M	4122-434-09-I	X39CrMo17-1	1.4122				
M	4766-440-77-X	X80CrSiNi20-2	1.4766()			SUH4	S48380
M	4025-440-74-J	X110CrS17	1.4025()		"440F"	SUS440F	S44097
M	4023-440-04-I	X110Cr17	1.4023()	S44004	440C	SUS440C	S44096
M	4041-440-03-X	X85Cr17	1.4041()	S44003	440B	SUS440B	S44080
M	4040-440-02-X	X68Cr17	1.4040()	S44002	440A	SUS440A	S44070
M	4916-600-77-J	X18CrMnMoNbVN12	1.4916()			SUH600	S46250
M-PH	4534-138-00-X	X3CrNiMoAl13-8-3	1.4534	S13800			S51380
M-PH	4594-155-92-E	X5CrNiMoCuNb14-5	1.4594				
M-PH	4532-157-00-I	X8CrNiMoAl15-7-2	1.4532	S15700			S51570
M-PH	4542-174-00-I	X5CrNiCuNb16-4	1.4542	S17400	"630"	SUS630	S51740
M-PH	4568-177-00-I	X7CrNiAl17-7	1.4568	S17700	"631"	SUS631	S51700
M-PH	4457-350-00-X	X9CrNiMoN17-5-3	1.4457()	S35000			S51750
M-PH	4530-455-77-E	X1CrNiMoAlTi12-9-2	1.4530				
M-PH	4596-455-77-E	X1CrNiMoAlTi12-10-2	1.4596				
M-PH	4645-469-10-U	X2CrNiMoCuAlTi12-9-4-3 *)	1.4645()	S46910			
M-PH	4644-662-20-U	X4NiCrMoTiMnSiB26-14-3-2	1.4644()	S66220			
F	4523-182-35-I	X2CrMoTiS18-2	1.4523	S18235			
F	4724-405-77-I	X10CrAlSi13	1.4724				
F	4002-405-00-I	X6CrAl13	1.4002	S40500	405	SUS405	S11348
F	4516-409-75-I	X6CrNiTi12	1.4516	S40975			
F	4720-409-00-I	X2CrTi12	1.4720	S40900	409	SUH409L	S11163
F	4030-410-90-X	X2Cr12	1.4030()			SUS410L	S11203
F	4003-410-77-I	X2CrNi12	1.4003	S41003			S11213
F	4000-410-08-I	X6Cr13	1.4000	S41008		SUS410S	S41008
F	4595-429-71-I	X1CrNb15	1.4595				
F	4589-429-70-E	X5CrNiMoTi15-2	1.4589				
F	4012-429-00-X	X10Cr15	1.4012()	S42900	429	SUS429	S11510
F	4742-430-77-I	X10CrAlSi18	1.4742				
F	4017-430-91-E	X6CrNi17-1	1.4017				
F	4511-430-71-I	X3CrNb17	1.4511			SUS430LX	
F	4664-430-75-J	X2CrCuTi18	1.4664()			SUS430J1L	
F	4520-430-70-I	X2CrTi17	1.4520			SUS430LX	
F	4510-430-35-I	X3CrTi17	1.4510	S43035	439	SUS430LX	S11863
F	4004-430-20-I	X7CrS17	1.4004()	S43020	430F	SUS430F	S11717
F	4016-430-00-I	X6Cr17	1.4016	S43000	430	SUS430	S11710
F	4113-434-00-I	X6CrMo17-1	1.4113	S43400	434	SUS434	S11790
F	4609-436-77-J	X2CrMo19	1.4609()			SUS436J1L	
F	4513-436-00-J	X2CrMoNbTi18-1	1.4513()	S43600	436	SUS436L	S11862
F	4526-436-00-I	X6CrMoNb17-1	1.4526	S43600	436		S11770
F	4509-439-40-X	X2CrTiNb18	1.4509	S43940		SUS430LX	S11873
F	4764-442-72-J	X8CrAl19-3	1.4764()			SUH21	
F	4521-444-00-I	X2CrMoTi18-2	1.4521	S44400	444	SUS444	S11972
F	4621-445-00-E	X2CrNbCu21	1.4621	S44500			
F	4128-445-92-J	X2CrMo23-1	1.4128()				
F	4762-445-72-I	X10CrAlSi25	1.4762				
F	4129-445-92-J	X2CrMo23-2	1.4129()				
F	4750-446-60-U	X2CrMoNi27-4-2	1.4750()	S44660			
F	4131-446-92-C	X1CrMo26-1	1.4131(),1.4749	S44627		SUSXM27	S12791

F	4749-446-00-I	X15CrN26	1.4749	S44600	446	SUH446	S12550
F	4135-447-92-C	X1CrMo30-2	1.4135()	S44700		SUS447J1	S13091
A	4615-201-75-E	X3CrMnNiCu 15-8-5-3 *)	1.4615				
A	4371-201-53-I	X2CrMnNiN17-7-5	1.4371	S20153			
A	4618-201-76-E	X9CrMnNiCu 17-8-5-2	1.4618				
A	4617-201-76-J	X6CrNiMnCu17-8-4-2	1.4617()			SUS304J2	
A	4372-201-00-I	X12CrMnNiN17-7-5	1.4372	S20100	201	SUS201	S35350
A	4369-202-91-I	X11CrNiMnN19-8-6	1.4369				
A	4890-202-09-X	X53CrMnNiN21-9-4	1.4890()			SUH35	S35650
A	4373-202-00-I	X12CrMnNiN18-9-5	1.4373	S20200	202	SUS202	S35450
A	4597-204-76-I	X8CrMnCuN17-8-3	1.4597				
A	4982-215-00-E	X10CrNiMoMnNbV15-10-1	1.4982	S21500			
A	4318-301-53-I	X2CrNiN18-7	1.4318	S30153	"301LN"	SUS301L	S30153
A	4319-301-00-I	X5CrNi17-7	1.4319	S30100	301	SUS301	S30110
A	4310-301-00-I	X10CrNi18-8	1.4310	S30100	301		S30110
A	4326-302-15-I	X12CrNiSi18-9-3	1.4326()	S30215	"302S"	SUS302B	S30240
A	4325-302-00-E	X9CrNi18-9	1.4325	S30200	302	SUS302	S30210
A	4667-303-76-J	X12CrNiCuS18-9	1.4667()[1.4570]		"303Cu"	SUS303Cu	
A	4625-303-23-X	X12CrNiSe18-9	1.4625()	S30323	303Se	SUS303Se	S30327
A	4305-303-00-I	X10CrNiS18-9	1.4305	S30300	303	SUS303	S30317
A	4570-303-31-I	X6CrNiCuS18-9-2	1.4570	S30331	"303Cu+"		
A	4567-304-30-I	X3CrNiCu18-9-4	1.4567	S30430		SUSXM7	S30488
A	4818-304-15-E	X6CrNiSiN18-9-10	1.4818	S30415			S30450
A	4567-304-76-I	X6CrNiCu17-8-2	1.4567			SUS304J1	S30480
A	4311-304-53-I	X2CrNiN18-9	1.4311	S30453	"304LN"	SUS304LN	S30453
A	4650-304-75-E	X2CrNiCu19-10	1.4650		"304LCu"	SUS304L	S30403
A	4948-304-09-I	X7CrNi18-9	1.4948	S30409	"304H"		S30409
A	4567-304-98-X	X6CrNiCu18-9-2	1.4567	S30431	"304Cu"	SUS304J3	S30480
A	4649-304-76-J	X6CrNiCu19-9-1	1.4649()		"304Cu"	SUS304Cu	S30488
A	4315-304-51-I	X5CrNiN19-9	1.4315	S30451	304N	SUS304N1	S30458
A	4306-304-03-I	X2CrNi19-11	1.4306	S30403	304L	SUS304L	S30403
A	4307-304-03-I	X2CrNi18-9	1.4307,[1.4306]	S30403	304L	SUS304L	S30403
A	4301-304-00-I	X5CrNi18-9	1.4301	S30400	304	SUS304	S30408
A	4828-305-09-I	X15CrNiSi20-12	1.4828				
A	4884-305-00-X	X6CrNiSi18-13-4	1.4884()	S30500		SUSXM15J1	S38148
A	4303-305-00-I	X6CrNi18-12	1.4303	S30500	305	SUS305	S30510
A	4835-308-15-U	X7CrNiSiN18-9-11	1.4835	S30815			
A	4824-308-09-J	X20CrNiN22-11	1.4824()			SUH37	S30850
A	4496-309-51-J	X4CrNiMoN25-14-1	1.4496()			SUS317J2	
A	4833-309-08-I	X18CrNi23-13	1.4833	S30908	"309S"	SUH309	S30908
A	4950-309-08-E	X6CrNi23-13	1.4950	S30908	309S	SUS309S	S30908
A	4537-310-92-E	X1CrNiMoCuN25-25-5	1.4537				
A	4335-310-02-I	X1CrNi25-21	1.4335	S31002			
A	4466-310-50-E	X1CrNiMoN25-22-2	1.4466	S31050			S31053
A	4845-310-08-E	X8CrNi25-21	1.4845	S31008	"310S"	SUS310S	S31008
A	4845-310-09-X	X23CrNi25-21	1.4845	S31008	"310S"	SUH310	S31020
A	4951-310-08-I	X6CrNi25-20	1.4951	S31008	310S	SUS310S	S31008
A	4659-312-66-I	X1CrNiMoCuNW24-22-6	1.4659	S31266			
A	4547-312-54-I	X1CrNiMoCuN20-18-7	1.4547	S31254		SUS312L	S31252
A	4971-314-79-I	X5CrNiCoMoWmNb21-20-20-3-3-2	1.4971			SUH661	
A	4841-314-00-E	X15CrNiSi25-21	1.4841	S31400	314		
A	4660-315-77-I	X6CrNiCuSiMo19-10-3-2	1.4660()			SUS315J1	
A	4648-315-77-I	X6CrNiSiCuMo19-13-3-3-1	1.4648()			SUS315J2	
A	4665-316-76-J	X6CrNiMoCu18-12-2-2	1.4665()			SUS316J1	
A	4571-316-35-I	X6CrNiMoTi17-12-2	1.4571	S31635		SUS316Ti	S31668
A	4449-316-76-E	X3CrNiMo18-12-3	1.4449				
A	4647-316-75-X	X2CrNiMoCu18-14-2-2	1.4647()			SUS316J1L	S31683
A	4432-316-03-I	X2CrNiMo17-12-3	1.4432	S31603		SUS316L	S31603
A	4580-316-40-I	X6CrNiMoNb17-12-2	1.4580	S31640			S31678
A	4867-316-77-J	X40CrNi1 5-14	1.4867()			SUH31	
A	4578-316-76-E	X3CrNiCuMo17-11-3-2	1.4578				
A	4910-316-77-E	X3CrNiMoBN17-13-3	1.4910				
A	4429-316-53-I	X2CrNiMoN17-12-3	1.4429	S31653	"316LN"	SUS316LN	S31653
A	4406-316-53-I	X2CrNiMoN17-11-2	1.4406	S31653	"316LN"	SUS316LN	S31653
A	4495-316-51-J	X6CrNiMoN17-12-3	1.4495()	S31651	316N	SUS316N	S31658
A	4435-316-91-I	X2CrNiMo18-14-3	1.4435	S31603	316L	SUS316L	S31603
A	4404-316-03-I	X2CrNiMo17-12-2	1.4404	S31603	316L	SUS316L	S31603
A	4494-316-74-J	X6CrNiMoS17-12-3	1.4494()	S31620	316F	SUS316F	
A	4401-316-00-I	X5CrNiMo17-12-2	1.4401	S31600	316	SUS316	S31608
A	4436-316-00-I	X3CrNiMo17-12-3	1.4436	S31600	316	SUS316	S31608
A	4476-317-92-X	X3CrNiMo18-16-5	1.4476()			SUS317J1	S31794
A	4438-317-03-I	X2CrNiMo19-14-4	1.4438	S31703		SUS317L	S31703
A	4483-317-26-I	X2CrNiMoN18-15-5	1.4483()	S31726			S31723
A	4879-317-77-J	X30CrNiMoPB20-11-2	1.4879()			SUH38	
A	4439-317-26-E	X2CrNiMoN17-13-5	1.4439	S31726			S31723
A	4445-317-00-U	X6CrNiMo19-13-4	1.4445()	S31700	317	SUS317	S31708
A	4434-317-53-I	X2CrNiMoN18-12-4	1.4434	S31753	"317LN"	SUS317LN	S31753
A	4941-321-09-I	X6CrNiTiB18-10	1.4941	S32109			S32169
A	4940-321-09-I	X7CrNiTi18-10	1.4940,1.4541	S32109	"321H"	SUS321H	S32169
A	4541-321-00-I	X6CrNiTi18-10	1.4541	S32100	321	SUS321	S32168
A	4652-326-54-I	X1CrNiMoCuN24-22-8	1.4652	S32654			S32652
A	4565-345-65-I	X2CrNiMnMoN25-18-6-5	1.4565	S34565			S34553
A	4961-347-77-E	X8CrNiNb16-13	1.4961				

A	4912-347-09-I	X7CrNiNb18-10	1.4912	S34709	"347H"	SUS347H	
A	4550-347-00-I	X6CrNiNb18-10	1.4550	S34700	347	SUS347	S34778
A	4854-353-15-E	X6NiCrSiNc35-25	1.4854	S35315			
A	4389-384-00-I	X3NiCr18-16	1.4389()	S38400	384	SUS384	S38408
A PH	4980-662-86-X	X6NiCrTiMoVB25-15-2	1.4980,1.4606	S66286()	"660"	SUH660	S51525
A	4657-080-20-U	X4NiCrCuMo35-20-4-3	1.4657()	N08020			
A	4563-080-28-I	X1NiCrMoCu31-27-4	1.4563	N08028			
A	4864-083-77-X	X13NiCr35-16	1.4864	R20033,N08330		SUH330	S33010
A	4478-083-67-U	X2NiCrMoN25-21-7	1.4478()	N08367		SUS836L	
A	4958-088-77-E	X5NiCrAlTi31-20	1.4958				
A	4959-088-77-E	X8NiCrAlTi32-20	1.4959				
A	4959-088-11-U	X8NiCrAlTi33-21	1.4959	N08811			
A	4876-088-00-I	X8NiCrAlTi32-21	1.4876	N08800	"800"	NCF800	
A	4959-088-10-U	X7NiCrAlTi33-21	1.4959	N08810	"800H"	NCF800H	
A	4479-089-36-U	X1NiCrMoMnN34-27-6-5	1.4479()	N08936			
A	4529-089-26-I	X1NiCrMoCuN25-20-7	1.4529	N08926	"926"		
A	4539-089-04-I	X1NiCrMoCu25-20-5	1.4539	N08904	"904L"	SUS890L	S39042
A	4656-089-04-I	X1NiCrMoCu22-20-5-2	1.4656()				
AF	4460-312-00-I	X3CrNiMoN27-5-2	1.4460	S31200			S22553
AF	4481-312-60-J	X2CrNiMoN25-7-3	1.4481()	S31260		SUS329J4L	S22583
AF	4424-315-00-I	X2CrNiMoSiMn19-5-3-2-2	1.4424	S31500			
AF	4462-318-03-I	X2CrNiMoN22-5-3	1.4462	S32205,S3	F51,F60	SUS329J3L	S22053
AF	4162-321-01-E	X2CrMnNiN21-5-1 *)	1.4162	S32101			
AF	4062-322-02-U	X2CrNiN22-2 *)	1.4062	S32202			
AF	4362-323-04-I	X2CrNiN23-4	1.4362	S32304			S23043
AF	4507-325-50-X	X3CrNiMoCuN26-6-3-2	1.4507	S32550			S25554
AF	4507-325-20-I	X2CrNiMoCuN25-6-3	1.4507	S32520			
AF	4501-327-60-I	X2CrNiMoCuWN25-7-4	1.4501	S32760			S27603
AF	4410-327-50-E	X2CrNiMoN25-7-4	1.4410	S32750			S25073
AF	4658-327-07-U	X2CrNiMoCoN28-8-5-1 *)	1.4658()	S32707			
AF	4477-329-06-E	X2CrNiMoN29-7-2 *)	1.4477	S32906			
AF	4480-329-00-U	X6CrNiMo26-4-2	1.4480()	S32900	329	SUS329J1	
AF	4485-332-07-U	X2CrNiMoN31-8-4	1.4485()	S33207			
A:austenitic *) patented grade " " : 'AISI like' common name F:ferritic M:martensitic () EN nb issued for ISO grade AF: austenitic-ferritic PH:Precipitation Hardening							
(1) The ISO name is composed of 4 parts structure XXXX-YYY-ZZ-T XXXX is a reminder of the European coding, YYY a reminder of the old AISI codes, ZZ an ISO coding and T an additional information T is a letter from : -C Chinese based composition -I genuine ISO composition -U USA based composition -E European based composition -J Japanese based composition -X comp. origin. from more 2 stds							

courtesy of UGITECH

diclaimer : the above table is for information only, it has been carefully checked but may still contain unspotted errors

The International Stainless Steel Forum believes that the information presented is technically correct. However, ISSF does not represent or warrant the accuracy of the information contained in this document or its suitability for any general or specific use. The material contained herein is by necessity general in nature; it should not be used or relied upon for any specific or general application without first obtaining competent advice. ISSF, its members, staff and consultants specifically disclaim any and all liability or responsibility of any kind for loss, damage, or injury resulting from the use of the information contained in this document.