

# 金属材料記号対照表(抜粋)

## ●機械構造用 炭素鋼 P

JIS	AISI/ASTM	DIN/EN	GB	BS	AFNOR	ГОСТ
S10C	1008 1010	C10E C10R 1.1122	08 10	040A10 045A10 045M10	XC10	08 10
S12C	1012	—	—	040A12	XC12	—
S15C	1015	C15E C15R 1.1132	15	055M15	—	15
S20C	1020	C22 CK22	20	070M20	—	20
S25C	1025	C25 C25E C25R C16D 1.0415	25	—	—	25
S30C	1030	C30 C30E C30R	30	080A30 080M30	—	30
S35C	1035	C35 C35E C35R 1.1172	35	080A35 080M36	—	35
S40C	1040 C40E	C40 C40E C40R 1.1186	40	060A40 080A40 080M40	—	40
S43C	1042 1043	—	—	080A42	XC42H1 XC42H2	40Г
S45C	1045 1045H	C45 C45E C45R 1.1191 1.1192	45	060A45 080M46	XC45	45
S50C	1049	C50 C50E C50R 1.1206	50	080M50	XC50	50
S53C	1050 1053	—	50Mn	080A52	XC54	—
S55C	1055	C55 C55E C55R 1.1203	55	070M55	XC55H1 XC55H2	55
S58C	1060	C60 C60E C60R	60	060A57 080A57	XC60	—
S60C	1059	C60E 1.1221	60 60Mn	—	—	60
S09CK	1010	C10E C10R	—	045A10 045M10	XC10	—
S15CK	1015	C15E C15R	—	—	XC12	—
S20CK	—	CK22	—	—	XC18	—

## ●クロム鋼 P

SCr415	5115	17Cr3 1.7016	15Cr	—	—	15X
SCr420	5120	—	20Cr	—	20MC5	20X
SCr430	5130 5132	34Cr4 34CrS4 1.7033	30Cr	530A30 530A32	32C4	30X
SCr435	5135	37Cr4 1.7034	35Cr	530A36	38C4	35X
SCr440	5140	41Cr4 41CrS4 1.7035	40Cr	530M40 530A40	42C4	40X
SCr445	5147	—	45Cr	—	—	45X

## ●ニッケルクロム鋼 P

SNC415	4720 4715	20NiCrMo2-2 10NiCr15-4 17CrNi6-6 1.5918 1.5805 1.6523	20CrNi 12CrNi2 15CrNi6K	—	—	20XH 12XH
SNC236	3140 4337	41CrNiMo7-3-2 34CrNiMo6	40CrNi 34CrNi2	—	—	40XH —
SNC246	8645	—	45CrNi	—	—	45XH
SNC815	E3310	15NiCr13 1.5752	12CrNi3	—	—	12XH3A
SNC620	—	20NiCrMo13-4 1.6660	20CrNi3	—	—	20XH3A
SNC631	—	30NiCrMo16-6 1.6747	30CrNi3	—	—	30XH3A
SNC836	—	35NiCrMo16 1.6773	37CrNi3	—	—	—

## ●ニッケルクロムモリブデン鋼 P

SNCM220	8615 8617 8620 8622 4718	20NiCrMo2-2 20NiCrMoS2-2 17NiCrMo6 1.6566 1.6523	20CrNiMo 18CrNiMo 20NiCrMoK	805A20 805M20 805A22 805M22	20NCD 2	20XH2M 18XH2M
SNCM240	8637 8640	39NiCrMo3 1.6510	40CrNiMo	—	—	40XH2MA
SNCM415	—	—	—	—	—	—
SNCM420	4320	17NiCrMo6-4	20CrNi2Mo	—	—	20XH2M (20XHM)
SNCM439	4340	41NiCrMo7-3-2 1.6563	40CrNi2Mo	—	—	40XH2MA
SNCM447	4340	41NiCrMo7-3-2 1.6563	45CrNiMoV	—	—	—

## ●クロムモリブデン鋼 P

SCM415	—	18CrMo4 1.7243	15CrMo	—	—	15XM
SCM420	—	20MnCr4 1.7321	20CrMo	708M20	—	20XM

## ●クロムモリブデン鋼 つばき P

JIS	AISI/ASTM	DIN/EN	GB	BS	AFNOR	ГОСТ
SCM421	4121	18CrMo4 22CrMoS35 1.7243	20CrMnMo	—	—	25XГМ
SCM425	—	25CrMo 1.7218	25CrMo	—	—	—
SCM430	4130	—	30CrMo	708A30	30CD4	30XM
SCM435	4135 4137	34CrMo4 1.7220	35CrMo	708A37 709A37	34CD4 38CD4 35CD4	35XM
SCM440	4142 4140	42CrMo4 42CrMoS4 1.7225	42CrMo	708M40 708A40 708A42 709A42 709M40	42CD4	38XM
SCM445	4145 4150	50CrMo4 1.7228	50CrMo	708A47	—	—

## ●マンガンクロム鋼/マンガン鋼 P

SMn420	1522 1524	18Mn5 1.0436	20Mn2	150M19 120M19	20M5	20Г
SMn433	1330	28Mn6 1.1170	30Mn2	—	—	30Г2
SMn438	1335 1541	—	35Mn2	150M36	40M6	35Г2
SMn443	1340 1345 1541	—	40Mn2 45Mn2	135M40 150M36	35M5	35Г2 45Г2
SMnC420	5120	20MnCr5 1.7147	20CrMn	—	—	18XГ
SMnC443	5140	41Cr4 1.7035	40CrMn	—	—	—

## ●炭素工具鋼 P

SK140 SK1	W2-13A W1-13	—	T13	—	Y <sub>2</sub> 140	—
SK120 SK2	W1-11 1/2	C120U 1.1555	T12	BW1C	Y <sub>2</sub> 120	y12
SK105 SK3	W1-10 W1-10 1/2	C105U 1.1545 C105W1	T11	BW1B	Y <sub>1</sub> 105	—
SK95 SK4	W1-9 W1-9 1/2	C105U 1.1545	T10	BW1A	Y <sub>1</sub> 90 Y <sub>1</sub> 80	y10
SK85 SK5	W1-8C W1-8	C80W1	T8Mn	BW1A	—	y8Г
SK80	W1-8A	C80U 1.1525	T8	—	—	y8
SK70	1070	C70U 1.1520	T7	—	—	y7

## ●高速工具鋼 P

SKH2	T1	HS18-0-1 1.3355	W18Cr4V	BT1	Z80WCV 18-04-01	P18
SKH3	T4	S18-1-2-5	—	BT4	Z80WKC 18-05-04-01	—
SKH4	T5	—	—	BT5	Z80WKC 18-10-04-02	—
SKH10	T15	S12-1-4-5	W12Cr4V5Co5	BT15	Z160WKC 12-05-04-02	P12K5V5
SKH51	M2	S6-5-2 1.3339	W6Mo5Cr4V2	BM2	Z160WDCV 06-05-04-02	P6M5Φ2
SKH52	M3-1	HS6-6-2 1.3350	W6Mo6Cr4V2	—	—	—
SKH53	M3-2	S6-5-3 HS6-5-3 1.3344	W6Mo5Cr4V3	—	Z160WDCV 06-05-04-03	P6M5Φ3
SKH54	M4	—	W6Mo5Cr4V4	BM4	Z130WDCV 06-05-04-04	—
SKH55	M35 M41	S6-5-2-5 HS6-5-2-5 1.3243	W6Mo6Cr4V2Co5	BM35	Z190WDCV 06-05-04-02	P6M5K5
SKH56	M36	—	—	—	—	—
SKH57	M48	HS10-4-3-10 1.3207	W10MoCr4V3Co10	—	Z130WKC 10-10-04-03	—
SKH58	M7	HS2-8-2 1.3348	W2Mo9Cr4V2	—	Z100DCV 09-04-02-02	—
SKH59	M42	HS2-10-1-8 1.3247	W2Mo9Cr4VCo8	BM42	Z130DKCV 09-04-02-01	P2M9K8Φ

## ●合金工具鋼 P

SKS11	F2	—	—	—	—	—
SKS2	—	105WCr6	—	—	105WC13	—
SKS51	L6	—	—	—	—	—
SKS41	—	—	4CrW2Si	—	—	4XB2C
SKS43	W2-9 1/2	—	—	BW2	Y <sub>1</sub> 105V	—
SKS44	W2-8 1/2	—	—	—	—	—
SKS3	O1	95MnWCr5 1.2825	9CrWMn	—	—	9XBГ
SKS31	O7	105WCr6	CrWMn	—	105WC31	XBГ
SKD1	D3	X210Cr12 1.2080	Cr12	BD3	X200Cr12	X12
SKD4	—	—	30W4Cr2V	BH21	Z32WCV5	—
SKD5	H21	X30WCrV9-3 1.2581	3Cr2W8V	BH21	Z30WCV9	3X2B8Φ
SKD6	H11	X37CrMoV5-1 1.2343	4Cr5MoSiV	BH11	X38CrMoV5	4X5MΦC
SKD61	H13	X40CrMoV5-1 1.2344	4Cr5MoSiV1	BH13	Z40CDV5	4X5MΦ1C
SKD7	H10	X32CrMoV33 1.2365	3Cr3Mo3V	BH10	32DCV28	—
SKD8	H19	38CrW18-17 1.2661	3Cr3Mo3VCo3	BH19	—	—
SKD10	D2	X153CrMoV12 1.2379	Cr12Mo1V1	—	—	X12M1Φ1

●合金工具鋼 つばき **P**

JIS	AISI/ASTM	DIN/EN	GB	BS	AFNOR	ГОСТ
SKD11	D2 D4	—	Cr12MoV	BD2	X160CrMoV12	X12MΦ
SKD12	A2	X100CrMoV5 1.2363	Cr5Mo1V	BA2	Z100CDV5	—

●ステンレス鋼(フェライト系) **M**

SUS405	405 S40500	X10CrAl13 1.4002	0Cr13Al 06Cr13Al	405S17	26CA13	—
SUS429	429 S42900	—	1Cr15 10Cr15 022Cr15NbTi	—	—	—
SUS430	430 S43000	X6Cr17 1.4016	1Cr17 10Cr15 S11710	430S17	Z8C17	12X17
SUS430F	430F S43020	X12CrMoS17	Y1Cr17 Y10Cr17	—	Z10CF17	—
SUS434	434 S43400	X6CrMo17-1 1.4113	1Cr17Mo 10Cr17Mo	434S17	Z8CD17.01	—

●ステンレス鋼(マルテンサイト系) **M**

SUS410	410 S41010	X10Cr13 1.4006	12Cr13 1Cr13	410S21	Z13C13	12X13
SUS403	403 S40300	—	12Cr12 1Cr12	—	—	—
SUS444	444 S44400	X2CrMoTi18-2 1.4521	019Cr19Mo2NbTi 00Cr18Mo2	—	—	—
SUS416	416 S41600	X12CrS13 1.4005	Y12Cr13 Y1Cr13	416S21	Z12CF13	—
SUS420J1	420 S42000	X20Cr13 1.4021	20Cr13 2Cr13	420S29	Z20C13	20X13
SUS420J2	420 S42000	X30Cr13 1.4028	30Cr13 3Cr13	420S45	Z30C13	30X13
SUS420F	420G S42020	X29Cr13 1.4029	Y30Cr13 Y3Cr13	—	Z30CF13	—
SUS431	431 S43100	X17CrNi16-2	17Cr16Ni2	431S29	—	—
SUS440C	440C S44004	—	108Cr17 11Cr17	—	Z100CD17	—

●ステンレス鋼(析出硬化系) **M**

SUS630	630 S17400	X5CrNiCuNb16-4 1.4542	0Cr17Ni4Cu4Nb 05Cr17Ni4Cu4Nb	—	Z6CNU17.04	—
SUS631	631 S17700	X7CrNiAl17-7 1.4568	0Cr17Ni7Al 07Cr17Ni7Al	—	Z8CNA17.07	09X17H7 IO

●ステンレス鋼(オーステナイト系) **M**

SUS201	201 S20100	X12CrNiNi17-7 1.4372	1Cr17Ni6Ni5N 12Cr17Ni6Ni5N	—	Z12CMN17-07Az	—
SUS202	202 S20200	X12CrNiNi19-9 1.4373	1Cr18Ni9Ni5N 12Cr18Ni9Ni5N	284S16	—	—
SUS301	301 S30100	X12CrNi17 7 1.4319 1.4310	1Cr17Ni7 12Cr17Ni7	—	Z12CN17.07	17X18H9
SUS302	302 S30200	X9CrNi18-9 1.4325	1Cr18Ni9 12Cr18Ni9	302S25	Z10CN18.09	12X18H9
SUS302B	302B S30215	—	1Cr18Ni9Si3 12Cr18Ni9Si3	—	—	—
SUS303	303 S30300	X8CrNiS18-9 X10CrNiS189 1.4305	Y1Cr18Ni9 Y12Cr18Ni9	303S21	Z10CNF18.09	—
SUS303Se	303Se S30323	—	Y12Cr18Ni9Se Y1Cr18Ni9Se	303S41	—	12X18H10E
SUS304	304 S30400	X5CrNi18-10 1.4301	0Cr18Ni9 06Cr19Ni10	304S31	Z6CN18.09	08X18H10
SUS304L	304L S30403	X2CrNi19-11 1.4306	00Cr19Ni10 022Cr19Ni10	304S11	Z2CN18.10	03X18H11
SUS304N1	304N S30451	X5CrNi19-9 1.4315	06Cr19Ni10N 06Cr19Ni10NbN	—	Z6CN19-09Az	—
SUS305	305 S30500	X2CrNi18-10 1.4311	1Cr18Ni12 10Cr18Ni12	305S19	Z8CN18.12	—
SUS309S	309S S30908	X6CrNi23-13 1.4950	0Cr23Ni13 06Cr23Ni13	—	—	0X23H12
SUS310S	310S S31008	X6CrNi25-20 1.4951	0Cr25Ni20 06Cr25Ni20	—	—	08X23H20
SUS316	316 S31600	X5CrNiMo17-12 1.4401	0Cr17Ni12Mo2 06Cr17Ni12Mo2	316S31	Z7CND17.12	—
SUS316L	316L S31603	X2CrNiMo17-12 1.4404	00Cr17Ni12Mo2 022Cr17Ni12Mo2	316S11	Z2CND17.12	03X17H14M2
SUS316N	316N S31651	—	0Cr17Ni12Mo2N 06Cr17Ni12Mo2N	—	—	—
SUS317	317 S31700	—	0Cr19Ni13Mo3 06Cr19Ni13Mo3	317S16	—	—
SUS317L	317L S31703	X2CrNiMo18-15 1.4438	00Cr19Ni13Mo3 022Cr19Ni13Mo3	317S12	Z2CND19.15	03X19H13M3
SUS321	321 S32100	X6CrNiTi18-10 1.4541	0Cr18Ni10Ti 06Cr18Ni10Ti	321S31	Z6CNT18.10	08X18H10T
SUS347	347 S34700	X6CrNiNb18-10 1.4550	0Cr18Ni11Nb 06Cr18Ni11Nb	347S31	Z6CNNb18.10	08X18H125

●耐熱鋼(フェライト系) **S**

SUH409	409 S40900	X6CrTi12	06Cr11Ti 0Cr11Ti	409S19	Z6CT12	—
SUH446	446 S44600	—	2Cr25N 16Cr25N	—	Z12C24	—

●耐熱鋼(マルテンサイト系) **S**

SUH1	—	—	45Cr9Si3	401S45	Z45CS9	—
SUH3	—	—	4Cr10Si2Mo 40Cr10Si2Mo	—	Z40CS10	40X10C2M
SUH4	—	—	8Cr20Si2Ni 80Cr20Si2Ni	443S65	Z80CSN20.02	—

●耐熱鋼(マルテンサイト系) つばき **S**

JIS	AISI/ASTM	DIN/EN	GB	BS	AFNOR	ГОСТ
SUH11	—	—	4Cr9Si2 42Cr9Si2	—	—	40X 9C2
SUH600	—	—	2Cr12MoVNB 18Cr12MoVNB	—	—	—
SUH616	616 S42200	—	2Cr12NiMoWV 22Cr12NiMoW	—	—	—

●耐熱鋼(オーステナイト系) **S**

SUH31	—	—	4Cr14Ni4W2Mo	331S42	—	45X14H14B2M
SUH35	—	X33CrNiN21-4-4 1.4871	5Cr21Mn9Ni4N 53Cr21Mn9Ni4N	349S52	Z52CMN21.09	55X20F9AH4
SUH36	—	X53CrMnNi21 9	—	349S54	Z55CMN21-09Az	55X20F9AH4
SUH37	—	X15CrNiSi20-12 1.4828	22Cr21Ni12N 2Cr21Ni12N	381S34	—	—
SUH38	—	—	—	—	—	—
SUH309	309 S30900	X12CrNi23-13 1.4833	16Cr23Ni13 2Cr23Ni13	309S24	Z15CN24.13	20X23H12
SUH310	310 S31000	—	2Cr25Ni21 20Cr25Ni20	310S24	Z15CN25.20	—
SUH330	—	X12CrNiMo25-4-6 1.4565	1Cr16Ni35 12Cr16Ni35	—	Z12NCS35.16	—

●ねずみ鋳鉄 **K**

FC100	No 20B	GG-10	HT100	100	—	CY10
FC150	No 25B	GG-15	HT150	150	FGL150	CY15
FC200	No 30B	GG-20	HT200	200	FGL200	CY20
FC250	No 35B	GG-25	HT250	250	FGL250	CY25
FC300	No 45B	GG-30	HT300	300	FGL300	CY30
FC350	No 50B	GG-35	HT350	350	FGL350	CY35

●球状黒鉛鋳鉄 **K**

FCD400	60-40-18	GGG-40	QT400-18	400/17	FGS370-17	BY40
FCD450	—	GGG-40.3	QT450-10	420/12	FGS400-12	BY45
FCD500	80-55-06	GGG-50	QT500-7	500/7	FGS500-7	BY50
FCD600	—	GGG-60	QT600-3	600/7	FGS600-2	BY60
FCD700	100-70-03	GGG-70	QT700-2	700/2	FGS700-2	BY70
FCD800	120-90-02	GGG-80	—	800/2	FGS800-2	BY80

●アルミニウム、アルミニウム合金の板及び条 **N**

A1060P	1060	EN AW-1060	L2	—	—	—
A1050P	1050	A199.50	1A50	—	—	—
A1100P	1100	EN AW-1100	L5-1	—	—	—
A1200P	1200	EN AW-1200	L5	EN AW-1200	EN AW-1200	—
A2014P	2014	EN AW-2014	LD10	EN AW-2014	EN AW-2014	—
A2017P	2017	EN AW-2017	2A11(LY11)	EN AW-2017	EN AW-2017	—
A2219P	2219	EN AW-2219	2A16(LY16)	—	—	—
A2024P	2024	EN AW-2024	2A12(LY12)	EN AW-2024	EN AW-2024	—
A2124P	2124	EN AW-2124	2A12(LY12)	—	—	—
A3003P	3003	EN AW-3003	LF21	EN AW-3003	EN AW-3003	—
A3004P	3004	EN AW-3004	3004	—	—	—
A3005P	3005	EN AW-3005	3005	—	—	—
A3015P	3105	EN AW-3105	3105	—	—	—
A5005P	5005	EN AW-5005	5005	—	—	—
A5050P	5050	EN AW-5050	—	—	—	—
A5052P	5052	EN AW-5052	5A02	EN AW-5052	EN AW-5052	—
A5154P	5154	—	LF3	—	—	—
A5254P	5254	—	LF3	—	—	—
A5454P	5454	EN AW-5454	5454	EN AW-5454	EN AW-5454	—
A5456P	5456	EN AW-5456	—	—	—	—
A6101P	6101	EN AW-6101	6101	—	—	—
A6061P	6061	EN AW-6061	6061(LD30)	EN AW-6061	EN AW-6061	—
A7075P	7075	EN AW-7075	7A04	EN AW-7075	EN AW-7075	—
A7178P	7178	EN AW-7178	7A03(LC3)	—	—	—

●アルミニウム合金ダイカスト **N**

ADC1	A413.0	EN AC-4300	YL102	—	—	—
ADC3	A360.0	EN AC-43400	YL104	EN AC-43400	EN AC-43400	—
ADC5	518.0	—	Al-Mg7	—	—	—
ADC10	—	EN AC-46000	YL112	—	—	—
ADC12	—	—	YL113	LM20	—	—
ADC14	B390.0	—	—	—	—	—
AC4C	357	G-AISI7Mg	ZAISi7Mg1A	LM25	A-S7G-03	—
AC4CH	356	G-AISI7Mg	ZALSi7Mg	LM25	A-S7G	—
—	308	G-AISI6Cu4	ZAISi5Cu6Mg	LM21	—	—

●高硬度材 **H**

C4BS	440A	X100CrMo13	7Cr17	—	—	—
AC4A	610	X110CrMoV15	—	—	—	—
AC4A	0-2	X65CrMo14	—	—	—	—