

各國鋼鐵材料型號對照表

CARBON STEEL 碳鋼

AISI/SAE	DIN-SEL	W.NR	JIS
1035	CK35	1.1181	S35C
1045	CK45	1.1191	S45C

ALLOY STEEL 合金鋼

AISI/SAE	DIN-SEL	W.NR	JIS
5135	37Cr4	1.7034	SCr430
5140	41Cr4	1.7035	SCr435
—	25CrMo4	1.7218	SCr440
4135	34CrMo4	1.722	SCM435
4140	42CrMo4	1.7225	SCM440
8620	21NiCrMo2	1.6523	SNCM220
4349	40NiCrMo7	—	SNCM439
7140	41CRA1Mo7	1.8509	SACM645

COLD WORK TOOL STEEL 冷模工具鋼

AISI/SAE	DIN-SEL	W.NR	JIS
D2	X155CrMoV121	1.2379	SKD11
D3	X210Cr12	1.208	SKD-1
O1	95MnCrW8	1.251	SKS-3
O2	90MnCrV8	1.2842	—
S1	60WCrV8	1.255	SKS-41
S5	60SiMoCr8	1.2103	—

## HOT WORK TOOL STEEL 熱模工具鋼

AISI/SAE	DIN-SEL	W.NR	JIS
(P20)	40CrMnMo7	1.2311	PDS5(大同)
—	40CrMnMo8S	1.2312	—
H11	X38CrMoV51	1.2343	SKD-6
H13	X40CrMoV51	1.2344	SKD-61
6F3	56NiCrMoV7	1.2714	SKT-4
420C	X40Cr13	1.2083	—

## HIGH SPEED STEEL 高速工具鋼

AISI/SAE	DIN-SEL	W.NR	JIS
M2	S6-5-2	1.3343	SKH-51
M35	S6-5-2-5	1.3243	SKH-55
M7	S2-9-2	1.3348	SKH-58
M42	S2-10-1-8	1.3247	SKH-59

## BEARING STEEL 軸承鋼

AISI/SAE	DIN-SEL	W.NR	JIS
52100	100Cr6	1.3505	SUJ2

## VALVE STEEL 閥門鋼

AISI/SAE	DIN-SEL	W.NR	JIS
HNV3	X45CrSi9 3	1.4718	SUH-1
—	X50CrSi8 2	—	SUH-11
—	X40CrSiMo10 2	1.4731	SUH-3
EV8	X53CrMnNiN219	1.4871	SUH-35

## SPRING STEEL 彈簧鋼

AISI/SAE	DIN-SEL	W.NR	JIS
9260	60Si7	1.5027	SUP-6
9254	54SiCr6	1.7102	SUP12
5155	55Cr3	1.1716	SUP-9
6150	50CrV4	1.8159	SUP10

## FREE CUTTING STEEL 快削鋼

AISI/SAE	DIN-SEL	W.NR	JIS
1213	9SMn28	1.0715	SUM22
12L13	9SMnPb28	1.0718	SUM22L
1215	9SMn36	1.0736	SUM25
12L14	9SMnPb36	1.0737	—
1141	—	—	SUM42
1144	—	—	SUM43

## 沃斯田鐵不銹鋼

AISI/SAE	DIN-SEL	W.NR	JIS
30303	X12CrNi18 8	4305	SUS303
30304	X5CrNi18 8	4301	SUS304
30304L	X2CrNi18 9	4306	SUS304L
30316	X5CrNiMo18 10	4410	SUS316
30316L	X2CrNiMo18 10	4404	SUS316L
30310	X12CrNi25 21	4845	SUS310

麻田散鐵不銹鋼

AISI/SAE	DIN-SEL	W.NR	JIS
51403	X10Cr13	4006	SUS403
41410	X10Cr13	4006	SUS410
51416	—	4005	SUS416
51420	X40Cr13	4034	SUS420J2
51431	X22CrNi17	4057	SUS431
51440	X105CrMo17	4125	SUS440C
17-4PH	X5CrNiCuNb174	4542	SUS630

肥粒鐵不銹鋼

AISI/SAE	DIN-SEL	W.NR	JIS
51403	XCr17	4016	SUS430
51430F	X12CrMoS17	4104	SUS440F