

材料标准对照表

Comparison table of material

● 铁钢

材料名称	JIS	ISO	EN	SAE	ASTM
热轧软钢板及钢带	SPHC	HR1	—	—	Type A Type B Type C Type D
	SPHD	HR2	DD11 DD12 DD13 DD14	—	Type A Type B
	SPHE	HR3 HR4	—	—	—
冷轧钢板及钢带	SPCC	CR1	DC01 DC03 DC04 DC05 DC06 DC07	—	A B C
	SPCD	CR2	—	—	A B
	SPCE	CR3 CR4 CR5	—	—	—
机械构造用碳素钢材	S25C	C25 C25E4 C25M2	C25 C25E C25R	1025	—
	S35C	C35 C35E4 C35M2	C35 C35E C35R	1035	—
	S45C	C45 C45E4 C45M2	C45 C45E C45R	1045	—
钢材材	SCr430	—	—	5130	—
	SCr435	34Cr4 34CrS4	—	5132	—
	SCr440	41Cr4 41CrS4	41Cr4 41CrS4	5140	—
铬钼钢材	SCM430	—	—	4130	—
	SCM435	34CrMo4 34CrMoS4	—	4137	—
	SCM440	42CrMo4 42CrMoS4	42CrMo4 42CrMoS4	4140	—
碳素工具钢材	SK3	C105U	—	—	W1-10
高碳铬轴承钢材	SUJ2	B1	—	—	52100
	SUJ3	B2	—	—	Grade 1
碳素钢锻钢品	SF340A	—	—	—	Class A
	SF440A	—	C45 P280GH	—	Class C
	SF540A	—	C60	—	Class C

● 铁钢

材料名称	JIS	ISO	EN	SAE	ASTM
碳素钢铸钢品	SC360	200 - 400	GS200	—	—
	SC410	200 - 400	GS240	—	60 - 30
	SC450	230 - 450	—	—	65 - 35
	SC480	270 - 480W	G17Mn5	—	WCC
灰铸铁钢	FC150	ISO 180/JL/200	EN-GJL-150	—	Class No.150B
	FC200	ISO 185/JL/200	EN-GJL-200	—	Class No.200B
	FC250	ISO 185/JL/250	EN-GJL-250	—	Class No.250B
	FC300	ISO 185/JL/300	EN-GJL-300	—	Class No.300B
球状石墨铸铁品	FCD400-18	400 - 18S	EN-GJS-400-18	—	60 - 40 - 18
	FCD450-10	450 - 10S	EN-GJS-450-10	—	65 - 45 - 12
	FCD500-7	500 - 7S	EN-GJS-500-7	—	—
	FCD600-3	600 - 3	EN-GJS-600-3	—	80 - 55 - 06

● 不锈钢

JIS	ISO	EN	ASTM
SUS302	—	—	S30200
SUS303	X10CrNiS18-9	1.4305	S30300
SUS304	X5CrNi18-9	1.4301	S30400
SUS310S	X8CrNi25-21	—	S31008
SUS316	X5CrNiMo17-12-2	1.4401	S31600
SUS316L	X2CrNiMo17-12-2	1.4404	S31603
SUSXM7	X3CrNiCu18-9-4	1.4567	S30430
SUS403	—	—	S40300
SUS410	X12Cr13	1.4006	S41000
SUS416	X12CrS13	1.4005	S41600
SUS430	X6Cr17	1.4016	S43000
SUS431	X17CrNi16-2	1.4057	S43100
SUS434	X6CrMo17-1	1.4113	S43400
SUS440C	—	1.4125	S44004
SUS631	X7CrNiAl17-7	1.4568	S17700

● 铝合金

JIS	ISO	EN	ASTM
A2011	AlCu6BiPb	EN AW-2011	2011
A2014	AlCu4SiMg	EN AW-2014	2014
A2017	—	—	2017
A2024	AlCu4MgI	EN AW-2024	2024
A3003	AlMn1Cu	EN AW-3003	3003
A3004	—	EN AW-3004	3004
A5005	AlMg1	EN AW-5005	5005
A5052	AlMg2.5	EN AW-5052	5052
A6061	AlMg1SiCu	EN AW-6061	6061
A6063	AlMg0.7Si	EN AW-6063	6063
A7075	AlZn5.5MgCu	EN AW-7075	7075