

材料規格比較表(抜粋) MATERIAL SYMBOL CHART BY STANDARD

材料区分 Description	Japan	U.S.A.		Germany	ISO
	JIS	ASTM	AISI	DIN	
一般構造用鋼 General structural steel	SM490A				
	SM490B				
	SM570	C			
	SS400				
	SS330	A		St33	
		B			
		C			
		30			
		33			
		36			
		40			
	SS490	70		St52-3	
	SS540	C			
	SM490A	D			
	SM490B	E			
	SM490C	A			
	SM490Y	B			
	SM520	50W			
	SV330	A		USt36	
	SV400	B			
炭素鋼 Carbon Steel	S15C		1015	CK15 C15	C15E4
	S25C		1025	CK25 C25	C25 C25E4
	S45C		1045	CK45 C45	C45 C45E4
			1046	C45	C45E4
	S50C		1050	CK50 C50	C50 C50E4
	SB410	60		HI	P7
	SB450	65		17Mn4	P11
	SB450 M	A			P28
	SB480	70			
	SB480 M	B			
合金鋼 Alloy Steel	SCM415				
	SCM415H				
	SCM415TK				
	SCM418				18CrMo4
	SCM418H				18CrMo4
	SCM418TK				
	SCM420				
	SCM420H				
	SCM420TK				
	SCM421				
	SCM430		4130		
	SCM430TK				
	SCM432				
	SCM435		4135	34CrMo4	34CrMo4
			4137		
	SCM435H		4135H	34CrMo4	34CrMo4
			4137H		
	SCM435TK				
			4140	42CrMo4	
			4142		
	SCM440H		4140H	42CrMo4	42CrMo4
			4142H		
	SCM440TK				
	SCM445		4145		
			4147		
	SCM445H		4145H		
	SCM822		4147H		
	SCM822H				
	SCr415				16MnCr5
	SCr415H				16MnCr5
	SCr420				16MnCr5
	SCr420H				16MnCr5
	SCr420TK				
	SCr430		5130	34Cr4	34Cr4
			5132		
SCr430H		5130H	34Cr4	34Cr4	
		5132H			
SCr435		5135	34Cr4	34Cr4	
			37Cr4	37Cr4	
SCr435H		5135H	34Cr4	34Cr4	
			37Cr4	37Cr4	
SCr440		5140	37Cr4	37Cr4	
			41Cr4	41Cr4	
SCr440H		5140H	37Cr4	37Cr4	
			41Cr4	41Cr4	
SCr445		5147			
SMn420		1522		22Mn6	
SMn420H		1522H		22Mn6	
SMn433					
SMn433H		1541H		36Mn6	
SMn438		1541		36Mn6	
SMn438H		1541H		36Mn6	

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	JIS	ASTM	AISI	DIN	
合金鋼 Alloy Steel	SMn443				
	SMn443H			1541H	42Mn6
	SNC326				
	SNC415				
	SNC415H				
	SNC631				
	SNC631H				
	SNC815				
	SNC815H				15NiCr13
	SNC836				
	SNCM220			8615	20NiCrMo2
				8617	
				8620	
				8622	
	SNCM220H			8617H	20NiCrMo2
				8620H	
				8622H	
	SNCM240			8637	41CrNiMo2
				8640	
	SNCM415				
SNCM420			4320		
SNCM420H			4320H		
SNCM431					
SNCM439			4340		
SNCM447					
SNCM616					
SNCM625					
SNCM630					
SNCM815					
炭素工具鋼 Carbon Tool Steel	SK1				TC140
	SK2		W1-111/2		TC120
	SK3		W1-10	C105W1	TC105
	SK4		W1-9		TC90
	SK5		W1-8	C80W1	TC90
	SK6			C80W1	TC80
					TC70
	SK7			C70W2	
	SKS2			105WCr6	105WCr1
	SKS3				
	SKS4				
	SKS5				
	SKS6				
	SKS7				
	SKS8				
SKS11		F2			
SKS21					
SKS31			105WCr6	105WCr1	
SKS41					
SKS43		W2-91/2			
SKS44		W2-81/2		TCV105	
SKS51		L6			
SKS93					
SKS94					
SKS95					
SUJ2		52100		100Cr6	
				1	
ダイス鋼 Die Steel	SKD11		D2		
	SKD61		H13	X40CrMoV51	40CrMoV5
工具鋼 Tool Steel	SKT3				
	SKT4			55NiCrMoV6	55NiCrMoV2
パイプ鋼 Pipe Steel	STAM290GB				St28
	SGP	TypeF			St33
	STKM11A	1008			St34-2
	STPT370	A			St35.8
	STB340				St35.8
					St37.8
	STPG370	E-A			St37.0
		A			
	STS370				St37.4
	STPT410	B			St42.8
	STB410	C			St42.8
		A-1			St45.8
	STPG410	E-B			St44.0
		B			St44.0
	STK400				St44-2
	STKM12B				St44-2
	STKR400				St44-2
	STAM390G				St44-2
	STS410				St44.4
	STKM14A				St45
STKM13C	1020			St45	
STKM18C				St52	
STKM19A				St52	
STKM19C				St52	
STK490				St52-3	
STKR490				St52-3	

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材料区分 Description	Japan	U.S.A.		Germany	ISO	
	JIS	ASTM	AISI	DIN		
パイプ鋼 Pipe Steel	STS480			St52.4		
	STKM12A				R33	
	STKM12C					
	STKM13B					
	STKM14B	1026				
		1025				
	STKM14C	1026				
	STKM15A					
	STKM15C					
	STKM16A					
	STKM16C					
	STKM17A	1050				
	STKM17C					
	STKM18A				R50	
	STKM18B					
STKM20A						
耐熱鋼 Heat Resistant steel	SUH1	S65007				
	SUH3					
	SUH4					
	SUH11					
	SUH21					
	SUH31					
	SUH35					
	SUH36	S63008				
	SUH37	S63017				
	SUH38					
	SUH309	S30900				
	SUH310	S31000				
	SUH330	N08330				
	SUH409	S40900		X6CrTi12	1Ti	
	SUH409L					
	SUH446	S44600			H7	
	SUH600					
	SUH616	S42200				
SUH660	S66286					
SUH661	R30155					
快削鋼 Free cutting steel	SUM11		1110			
	SUM12		1108			
	SUM21		1212		9S20	
	SUM22		1213	9SMn28	11SMn28	
	SUM22L			9SMnPb28	11SMnPb	
	SUM23		1215			
	SUM23L					
	SUM24L		12L14	9SMnPb28	11SMnPb28	
	SUM25			9SMn36	12SMn35	
	SUM31		1117	15S10		
	SUM31L					
	SUM32					
	SUM41		1137			
	SUM42		1141			
	SUM43		1144		44SMn28	
	ばね鋼 Spring steel	SUP3		1075		
				1078		
		SUP6				1
SUP7			9260		1	
SUP9			5155	55Cr3	5	
SUP9A			5160			
SUP10			6150	50CrV4	9	
SUP11A			51B60		7	
SUP12				54SiCr6	4	
SUP13			4161		8	
ステンレス鋼 Stainless steel		SUS304	S30400		X5CrNi1810	11
		SUS405	S40500		X6CrAl13	2
	SUS420F	S42020				
	SUS430	S43000		X6Cr17	8	
	SUS440A	S44002				
	SUS630	S17400			1	
	SUS631	S17700		X7CrNiAl177	2	
	SUS410	S41000		X10Cr13	3	
鋳鋼 Cast steel	SCH15	HT				
鋳鉄 Cast Iron	FC250	40				
	FC300	45				
ダクタイル鋳鉄 Ductile Cast Iron	FCD400	60-40-18				
	FCD600	80-55-06		GGG-60		
アルミニウム合金 Aluminum Alloy	A1080			AI99.8		
	A1070			AI99.7		
	A1050			AI99.5	AI99.5	
	A1100	1100			AI99.0Cu	
	A1200			AI99	AI99.0	
	A2014	2014		AlCuSiMn	Al-Cu4SiMg	
	A2017			AlCuMg1	Al-Cu4MgSi	
	A2017	2014		AlCuSiMn	Al-Cu4SiMg	
	A2024 BD	2024		AlCuMg2	AlCu4Mg1	
	A2024 BE	2024		AlCuMg2	AlCu4Mg1	

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	JIS	ASTM	AISI	DIN		
アルミニウム合金 Aluminum Alloy	A2024 P	2024		EN AW-2024	AlCu4Mg1	
	A2024 S	2024		AlCuMg2	AlCu4Mg1	
	A2024 TD	2024		AlCuMg2		
	A2024 TE	2024		AlCuMg2	AlCu4Mg1	
	A2024 W	2024		AlCuMg2	AlCu4Mg1	
	A3003	3003				
	A5052 BD	5052		AlMg2.5	AlMg2.5	
	A5052 BE	5052				
	A5052 FH					
	A5052 P	5052		EN AW-5052	AlMg2.5	
	A5052 S	5052				
	A5052 TD	5052			AlMg2.5	
	A5052 TE	5052				
	A5052 W	5052		AlMg2.5	AlMg2.5	
	A5056			AlMg5		
	A5083	5083		AlMg4.5Mn	Al-Mg4.5Mn0.7	
	A6061	6061			Al-Mg1SiCu	
	A6063	6063			Al-Mg0.7Si	
	A7075 BD	7075		AlZnMgCu1.5	AlZn5.5MgCu	
	A7075 BE	7075		AlZnMgCu1.5	AlZn5.5MgCu	
	A7075 FD	7075		AlZnMgCu1.5		
	A7075 FH	7075		AlZnMgCu1.5		
	A7075 P	7075		EN AW-7075	AlZn5.5MgCu	
	A7075 S	7075		AlZnMgCu1.5	AlZn5.5MgCu	
	A7075 TD	7075		AlZnMgCu1.5	AlZn5.5MgCu	
	A7075 TE	7075		AlZnMgCu1.5	AlZn5.5MgCu	
	アルミニウム合金鋳物 Aluminum Alloy Casting	AC1A	295.0		G(GK)-AlCu4Ti	
		AC1B	204.0		G(GK)-AlCu4TiMg	Al-Cu4MgTi
		AC2A				Al-Si5Cu3
		AC2B	319.0			Al-Si6Cu4
		AC3A			G(GK)AlSi2	Al-Si12
		AC4A			G(GK)-AlSi10Mg	Al-Si10Mg
		AC4B	333.0		G(GK)-AlSiCu3	
		AC4C	356.0			Al-Si7Mg
		AC4CH	A356.0		G(GK)AlSi7Mg	Al-Si7Mg
		AC4D	355.0			Al-Si5Cu1Mg
		AC5A	242.0			Al-Cu4Ni2Mg2
AC7A		514.0		G(GK)-AlMg5		
AC7B		520.0			Al-Mg10	
AC8A		336.0				
AC8B						
AC8C		332.0				
AC9A						
AC9B						
ADC1		A413.0		GD-AlSi12(Cu)	Al-Si12CuFe	
ADC3		A360.0		GD-AlSi10Mg		
ADC5		518.0		GD-AlMg9		
ADC6						
ADC10		A380.0		GD-AlSi9Cu3	Al-Si9Cu3Fe	
ADC10Z		A380.0		GD-AlSi9Cu3	Al-Si9Cu3Fe	
ADC12		383.0				
ADC12Z		383.0				
ADC14		A390.0				
マグネシウム合金 Magnesium Alloy	MD1A	AZ91A		DG-MgAl9Zn1		
	MD1B	AZ91B		DG-MgAl9Zn1		
	MD1D	AZ91D				
		AZ60A				
		AZ60B				
		AZ41A				
	MB3	AZ80A		MgAl8Zn	Mg-Al8Zn	
		AM20A				
		AM50A				
	MD2B	AM60B				
		AS22A				
		AS41B				
		AE42A				
	銅、銅鋳物 Copper, Copper Casting	C1020 B	C10200(B187:94)		OF-Cu	Cu-OF
		C1020 P	C10200(B152:94)		OF-Cu	Cu-OF
C1020 R		C10200(B152:94)		OF-Cu	Cu-OF	
黄銅、黄銅鋳物 Brass, Brass Casting	C2600 B	C26000(B36:95)		CuZn30 17660:83	426/183 CuZn30	
	C2600 P	C26000(B36:95)		CuZn30 17660:83	426/183 CuZn30	
	C2600 R	C26000(B36:95)		CuZn30 17660:83	426/183 CuZn30	
				CuZn30 17670:83		
	C2600 T	C26000(B135:95)		CuZn30	CuZn30	
	C2600 W	C26000(B134:93)		CuZn30	CuZn30	
青銅、青銅鋳 Bronze, Bronze Casting	C6140 P	C61400(B169:95)			428:83 CuAl 8Fe3	

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