

常用鑄鐵材質成份表 Material spec.

材質代號	鋼材標準	化學成份(百分數)											備註		
		C	Si	S	P	Mn	Ni	Cr	Mo	Cu	其它	Re		CE	
1	316	ASTM A276-316	≤0.08	≤1.00	≤0.040	≤0.045	≤2.00	10.0-14.0	16.0-18.0	2.0-3.0					奧氏體鋼非鑄材
	CF8M	ASTM A351-CF8M	≤0.08	≤1.50	≤0.040	≤0.040	≤1.50	9.0-12.0	18.0-21.0	2.0-3.0					
	1.4408	EN10213-4(1995)	≤0.07	≤1.50	≤0.030	≤0.040	≤1.50	9.0-12.0	18.0-20.0	2.0-2.5					
	1.4408	DIN17445(1984)	≤0.07	≤1.50	≤0.030	≤0.045	≤1.50	10.0-12.0	18.0-20.0	2.0-3.0					
	※ SCS14	JIS G5121	≤0.08	≤2.00	≤0.040	≤0.040	≤2.00	10.0-14.0	17.0-20.0	2.0-3.0					
◎ SCS14A	JIS G5121(1987)	≤0.08	≤1.50	≤0.040	≤0.040	≤1.50	9.0-12.0	18.0-21.0	2.0-3.0						
2	304	ASTM A276-304	≤0.08	≤1.00	≤0.030	≤0.040	≤2.00	8.0-11.0	18.0-20.0						奧氏體鋼非鑄材
	CF8	ASTM A351-CF8	≤0.08	≤2.00	≤0.040	≤0.040	≤1.50	8.0-11.0	18.0-21.0	≤0.50					
	1.4308	EN10213-4(1995)	≤0.07	≤1.50	≤0.030	≤0.040	≤1.50	8.0-11.0	18.0-20.0						
	1.4308	DIN17445(1984)	≤0.07	≤2.00	≤0.030	≤0.045	≤1.50	9.0-11.0	18.0-20.0						
	※ SCS13	JIS G5121	≤0.08	≤2.00	≤0.040	≤0.040	≤2.00	8.0-11.0	18.0-21.0						
◎ SCS13A	JIS G5121(1987)	≤0.08	≤2.00	≤0.040	≤0.040	≤1.50	8.0-11.0	18.0-21.0							
3	CN7M	ASTM A351-CN7M	≤0.07	≤1.50	≤0.040	≤0.040	≤1.50	27.5-30.5	19.0-22.0	2.0-3.0	3.0-4.0				
	SCS23	JIS G5121(1987)	≤0.07	≤2.00	≤0.040	≤0.040	≤2.00	27.5-30.5	19.0-22.0	2.0-3.0	3.0-4.0				
4	WCB	ASTM A216-WCB	0.18-0.23	0.30-0.60	≤0.045	≤0.040	0.50-0.80	≤0.50	≤0.50	≤0.20	≤0.30	V≤0.03	≤1.00	≤0.50	
	1.0619 _(CF8M)	EN10213-2(1996)	0.18-0.23	0.30-0.60	≤0.020	≤0.030	0.50-0.80								厚度<28mm, S≤0.030%
	1.0619 _(CS-C25)	DIN17245(1987)	0.18-0.23	0.30-0.60	≤0.015	≤0.020	0.50-0.80		≤0.30						
	SCW410 _(SCW410)	JIS G5102	0.18-0.23	0.30-0.60	≤0.040	≤0.040	0.50-0.80								
	SCPH2	JIS G5151(1969)	0.18-0.23	0.30-0.60	≤0.040	≤0.040	0.50-0.80	≤0.50	≤0.25	≤0.25	≤0.50		≤1.00		
5	316L	ASTM A276-316L	≤0.03	≤1.00	≤0.030	≤0.045	≤2.00	10.0-14.0	16.0-18.0	2.0-3.0					奧氏體鋼非鑄材
	CF3M	ASTM A351-CF3M	≤0.03	≤1.50	≤0.040	≤0.040	≤1.50	9.0-13.0	17.0-21.0	2.0-3.0					
	1.4404	EN10088-3(1995)	≤0.03	≤1.00	≤0.030	≤0.045	≤2.00	10.0-12.0	16.5-18.5	2.0-2.5		N:≤0.11			奧氏體鋼非鑄材
	1.4409	EN10213-4(1995)	≤0.03	≤1.50	≤0.025	≤0.035	≤2.00	9.0-12.0	18.0-20.0	2.0-2.5		N:≤0.20			
	SCS16A	JIS G5121(1987)	≤0.03	≤1.50	≤0.040	≤0.040	≤1.50	9.0-13.0	17.0-20.0	2.0-3.0					
7	304L	ASTM A276-304L	≤0.03	≤1.00	≤0.030	≤0.045	≤2.00	8.0-12.0	18.0-20.0						奧氏體鋼非鑄材
	CF3	ASTM A351-CF3	≤0.03	≤2.00	≤0.040	≤0.040	≤1.50	8.0-12.0	17.0-21.0	≤0.50					
	1.4306	EN10088-3(1995)	≤0.03	≤1.00	≤0.030	≤0.045	≤2.00	10.0-12.0	18.0-20.0			N:≤0.11			奧氏體鋼非鑄材
	1.4309	EN10213-4(1995)	≤0.03	≤1.50	≤0.025	≤0.035	≤2.00	9.0-12.0	18.0-20.0			N:≤0.20			
	SCS19A	JIS G5121(1987)	≤0.03	≤2.00	≤0.040	≤0.040	≤1.50	8.0-12.0	17.0-21.0						