

**Kobalt**

CRM	R KN35C2C	R KC28D	R KC20Fen	R KC20WN3	1242	6 170B	6 171B
Best. Nr.	Co-10001	Co-10002	Co-10003	Co-10004	Co-10005	Co-10006	Co-10007
Co	33.1	64..3	39.7	51.0	51.5	Rest	Rest
Cr	20.27	28.64	19.44	20.16	20.0	30.52	20.5
Ni	35.8		17.31	10.76	9.78	2.49	10.68
Mo	9.66	5.60	6.34			0.81	0.65
W				15,05	15.1	3.98	15.1
Mn	0,0050	0.617	1.32	1.56	1.58	1.41	1.90
Ti	0.793			(0.007)			
Fe	0.435	0.090	15.23	1.34	1.80	0.91	1.82
Si		0.619	0.26	0.16	0.016	0.71	0.29
C					0.126	1.12	0.087
P					0.002	0.006	0.008
S					0.0007	<0.001	<0.001
Cu					00.0010	0.016	0.035
V					0.005	0.006	(0.02)
N					0.026		
Al						0.21	0.08
Nb						0.027	0.046
Ta							
B							
Ca							
La							
Pb							
Se							
Sn							
Zr							
T							

CRM	6 172A	CS 188	CS 25	CS 6B	4 12667	4 12669	4 12670
Best. Nr.	Co-10008	Co-10009	Co-10010	Co-10011	Co-10012	Co-10013	Co-10014
Co	Rest	(39.6)	(50.4)	(59.3)	Rest	Rest	Rest
Cr	21.85	21.9	20.4	28.2	21.0	22.5	19.5
Ni	23.7	22.0	9.6	2.43	0.60	0.55	0.50
Mo	0.30	0.17	0.26	0.736			
W	14.0	13.9	15.7	4.35	10.5	10.5	11.0
Mn	0.77	0.878	1.43	1.53	0.50	0.60	0.50
Ti		0.02	0.04	0.012			
Fe	1.76	0.85	1.61	1.74	1.25	1.50	1.00
Si	0.37	0.27	0.25	0.424	0.60	0.50	0.55
C	0.098	0.11	0.11	1.00			
P	(0.011)	0.01	<0.01	0.031			
S	<0.0005	0.015	0.015	0.003			
Cu	0.027	<0.001	<0.01	0.001	0.10		0.05
V	0.007	<0.01	<0.01	<0.001			
N							
Al	0.08	0.15	0.09	0.141			
Nb	0.09	0.04	0.04	<0.002	1.50	2.00	2.50
Ta	0.045	<0.01	<0.01	<0.001	0.15		0.10
B		<0.001	<0.001	<0.001			
Ca				0.006			
La		0.05					
Pb		<0.01	<0.01	<0.001	0.01		0.05
Se		0.07	0.08	0.010			
Sn		<0.01	<0.01	<0.001	0.10		0.05
Zr		<0.01	<0.01	0.002			
T							

CRM	4 12671	4 12672	4 14936	4 14937	4 14941	4 14942	4 14943
Best. Nr.	Co-10015	Co-10016	Co-10017	Co-10018	Co-10019	Co-10020	Co-10021
Co	Rest	Rest	Rest	Rest	Rest	Rest	Rest
Cr	20.5	21.0	21.0	22.5	19.5	20.5	21.0
Ni	0.70	0.60	1.50	2.50	1.00	0.25	0.05
Mo			5.00	7.00	4.00	6.00	8.00
W	12.0	10.0	1.0	2.50	0.50	1.50	0.05
Mn	0.60	0.55	0.75	0.25	0.10	0.50	1.25
Ti							
Fe	1.25	1.50	0.25	0.75	0.50	1.00	0.05
Si	0.50	0.60	0.05	0.50	0.25	1.00	0.75
C			0.60	0.30	0.40	0.10	0.20
P							
S							
Cu							
V							
N							
Al			0.50	1.25	0.10	0.25	0.05
Nb	2.00	2.00					
Ta		0.05					
B							
Ca							
La							
Pb		0.10					
Se							
Sn		0.01					
Zr							
T							

CRM	4 401	4 402	4 403	4 404	4 405	4 ST3	4 COB1
Best. Nr.	Co-10022	Co-10023	Co-10024	Co-10025	Co-10026	Co-10027	Co-10028
Co	Rest	Rest	Rest	Rest	Rest	Rest	Rest
Cr	25.0	25.0	25.0	24.0	27.0	31.4	25.0
Ni	11.5	9.5	10.5	10.5	10.5	1.45	22.0
Mo							
W	7.0	8.0	7.5	7.5	7.5	0.01	12.0
Mn	0.75	0.25	0.10	0.50	1.25	0.04	0.04
Ti							
Fe	0.5	2.0	1.0	1.0	1.0	0.35	15.0
Si	1.2	0.2	0.7	0.7	0.7	0.58	
C	0.6	0.4	0.5	0.5	0.5	2.14	
P		0.04	0.02			0.001	
S		0.04	0.02			0.004	
Cu						<0.01	
V							
N							
Al							
Nb							
Ta							
B	0.01		0.005				
Ca							
La							
Pb							
Se							
Sn							
Zr							
T							

CRM	4 COB2	IA 95A	IA 96A	IA 97A	IA 64A	SL RCo11	SL RCo14
Best. Nr.	Co-10029	Co-10030	Co-10031	Co-10032	Co-10033	Co-10034	Co-10035
Co	Rest	58.54	(49.48)	(39.15)	(55.38)	Rest	Rest
Cr	25.0	(30.08)	(20.17)	21.77	(24.78)	<0.005	30
Ni	22.0	2.37	10.53	22.37	(8.92)	0.003	10
Mo		0.82	0.28	0.20	4.72	<0.005	0.05
W	12.0	1.41	1.52	0.73	0.81	0.01	7
Mn	0.04	1.41	1.52	0.73	0.81	<0.005	0.5
Ti		(0.01)	0.01	0.01	0.02	<0.004	<0.03
Fe	9.0	0.93	2.29	1.13	2.98	<0.02	0.7
Si		0.69	0.17	0.47	0.34	0.01	1.0
C		1.14	0.10	0.097	0.057		0.2
P		(0.009)	0.009	0.012	(0.006)	<0.003	<0.005
S		0.001	0.0011	0.001	0.002	<0.001	<0.005
Cu		(0.03)	0.04	0.03	(0.02)	<0.01	
V		(<0.01)	0.01	(<0.01)	(<0.01)	0.001	
N							
Al		0.20	0.03	0.10	(0.16)		0.005
Nb		0.02	0.07	0.03	(<0.01)	<0.005	<0.03
Ta		(0.034)	(0.08)	(0.05)	(0.03)		
B		(<0.001)	(0.003)	(0.003)			
Ca							
La							
Pb							
Se							
Sn			(<0.01)	(<0.01)	(<0.01)		
Zr		(0.01)	(0.01)	(<0.01)	(<0.01)	<0.003	
T						<0.002	