

COBALT (Co) BASE																								PURE COBALT												DISC/BLOCK		
	Ag	Al	As	B	Be	Bi	C	Ca	Cd	Cr	Cu	Fe	Ga	Mg	Mn	Mo	N	Ni	O	P	Others/Set Only	Size	Type	Origin														
182-193A	ppm	1	1.8	0.9	<5	<1	0.2	11	<10	<0.1	-1	2.7	8	-0.5	<1	2.4	<1	-2	90	-44	1.7																	
cont...																																						
182-193A			Pb	S	Sb	Se	Si	Sn	Te	Ti	Tl	V	Zn																									
			0.5	8.9	3.7	1.2	7	2.4	0.9	<1	<0.2	<0.5	0.5																									
COBALT ALLOY												CoCrMo																										
VARIOUS	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Nb	Ni	P	Pb	S	Si	Sn	Ta	Ti	V	W	Others/Set Only	Size	Type	Alloy														
091-KC28D	%			64.3	28.64		0.09	0.617	5.6						0.619							Ø 33-38x15mm	CRM	W														
182-208C	%	0.07	0.0016	0.052	63.8	27.6	0.009	0.29	0.53	6.11	0.013	0.63	0.011	0.0004	0.62			0.012	0.014	0.04	N 0.169 Zr 0.004	Ø31x18mm	RM	R30021														
341-14936	%	0.5		0.6	R	23		0.25	0.75	5			1.5		0.05							Ø 40x15mm	CRM	C)														
341-14937	%	1.25		0.3	R	25		0.75	0.92	7			2.5		0.5					2.5		Ø 40x15mm	CRM	C)														
341-14941	%	0.1		0.4	R	27		0.5	0.1	4			1		0.25					0.5		Ø 40x15mm	CRM	C) Stellite 8														
341-14942	%	0.25		0.1	R	29		1	0.5	6			0.25		1					1.5		Ø 40x15mm	CRM	C)														
341-14943	%	0.05		0.2	R	31		0.05	1.25	8			0.05		0.75					0.05		Ø 40x15mm	CRM	C)														
361-173	%	-0.04		0.046	65	27.5	-0.008	0.19	0.76	5.62	-0.002	0.14	-0.003	0.001	0.61				-0.004	-0.01		N 0.19	Ø35x12mm	RM	CC CCM													
COBALT ALLOY												CoCrFeNiMo																										
VARIOUS	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Nb	Ni	P	Pb	S	Si	Sn	Ta	Ti	V	W	Others/Set Only	Size	Type	Alloy														
091-KC20FEN	%			39.7	19.44		15.23	1.32	6.34		17.31				0.26							Ø 33-38x15mm	CRM	W														
COBALT ALLOY												CoCrW																										
VARIOUS	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Nb	Ni	P	Pb	S	Si	Sn	Ta	Ti	V	W	Others/Set Only	Type	Alloy															
222-378-1D	%			1.181	63.52	28.22		0.606	0.0579	0.0503	0.617			0.0055	1.172					4.43		Ø40x20mm	CRM															
341-12667	%				R	21	0.1	1.25	0.5		1.5	0.6	0.01		0.6	0.1	0.15			10.5		Ø 40x15mm	CRM	C														
341-12669	%				R	22.5		1.5	0.6		2	0.55			0.5					10.5		Ø 40x15mm	CRM	C														
341-12670	%				R	19.5	0.05	1	0.5		2.5	0.5	0.05		0.55	0.05	0.1			11		Ø 40x15mm	CRM	C														
341-12671	%				R	20.5		1.25	0.6		2	0.7			0.5					12		Ø 40x15mm	CRM	C														
341-12672	%				R	21		1.5	0.55		2	0.6	0.1		0.6	0.01	0.05			10		Ø 40x15mm	CRM	C														
341-12673	%	0.02		0.001	18.8	0.1	1.7	0.55	0.09	2.4	1.7		0.005	0.021	0.85	0.08	0.06			9.8	N 0.03	Ø40x15mm	CRM	C														
341-ST3	%			2.05	29.7	0.012	1.08	0.31	0.31	<0.005	2.15	0.004		0.007	0.91					12.3	N 0.047	Ø40x15mm	CRM	C														
COBALT ALLOY												CoCrNiW																										
VARIOUS	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Nb	Ni	P	Pb	S	Si	Sn	Ta	Ti	V	W	Others/Set Only	Size	Type	Alloy														
091-KC20WNA	%			51	20.16		1.34	1.56			10.76				0.16				-0.007		15.05		Ø 33-38x15mm	CRM	W													
182-64B	%	0.12	-0.001	0.062	54.2	25.26	0.02	3.02	0.78	4.77	-0.018	9.06	0.005	-0.0004	0.27	<0.01		0.011	-0.014	2.12	Mg 0.005 Zr <0.01	Ø 31x18.75mm+	RM	Ultimet 1233														
182-95C	%	0.149	0.001	1.11	57.09	30.4	0.013	2.46	1.53	1.41	0.006	2.79	0.011	0.001	0.55			0.003	0.003	3.96	La 0.0007 N 0.037	Ø 31x18.75mm+	RM	Stellite 6B														
182-96C	%	0.08	0.002	0.132	47.01	19.95	0.091	2.92	1.91	1.88	0.043	10.41	0.007	0.0012	0.31	<0.01	0.03	0.008	0.012	15.4	N 0.031 Zr 0.009	Ø 31x18.75mm+	RM	Stellite 25														
182-97C	%	0.19	0.0028	0.13	35.81	22.25	0.023	2.35	0.82	0.36	0.025	22.85	0.007	0.0005	0.47	<0.01	0.04	0.011	0.01	14.67	La 0.0063 N 0.075	Ø 31x18.75mm+	RM	Stellite 188														
246-188	%	0.15	<0.001	0.11	-39.6	21.9	<0.001	0.85	0.878	0.17	0.04	22	0.01	<0.01	0.015	0.27	<0.01	<0.01	0.02	<0.01	13.9	La 0.05 Se 0.07	Ø 36-48x15mm	RM	Stellite 188													
246-25	%	0.09	<0.001	0.11	-50.4	20.4	<0.01	1.61	1.43	0.26	0.04	9.6	<0.01	<0.01	0.015	0.25	<0.01	<0.01	0.04	<0.01	15.7	Se 0.08 Zr <0.01	Ø 36-48x15mm	RM	Stellite 25													
246-6B	%	0.141	<0.001	1	-59.3	28.2	0.001	1.74	1.53	0.736	<0.002	2.43	0.031	<0.001	0.003	0.424	<0.001	<0.001	0.012	<0.001	4.35	Ca 0.006 Se 0.01	Ø 36-48x15mm	RM	Stellite 6B													
331-1242	%			0.126	51.5	20	0.001	1.8	1.58			9.78	0.002	0.0007	0.016				0.005	15.1	N 0.026	Ø 35x19mm	CRM															
341-COB1	%				24.9		16.3	0.5				23.1								11.2		Ø40x15mm	CRM	C														
341-COB2	%				24.7		9.6	0.5				22.3								11.5		Ø40x15mm	CRM	C														

COBALT (Co) BASE				COBALT ALLOY							CoCrNiW							DISC/BLOCK							
VARIOUS	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Nb	Ni	P	Pb	S	Si	Sn	Ta	Ti	V	W	Others/Set Only	Size	Type	Alloy	
341-X401	%	0.01	0.6	R	25		0.5	0.2			11.5				1.2					7		Ø 40x15mm	CRM	C)	
341-X402	%		0.4	R	25		2	1.2			9.5	0.04		0.04	0.2					8		Ø 40x15mm	CRM	C)	
341-X403	%	0.005	0.5	R	25		1	0.7			10.5	0.02		0.02	0.7					7.5		Ø 40x15mm	CRM	C) Stellite 31	
341-X404	%		0.5	R	24		1	0.7			10.5				0.7					7.5		Ø 40x15mm	CRM	C)	
341-X405	%		0.5	R	27		1	0.7			10.5				0.7					7.5		Ø 40x15mm	CRM	C)	
361-171B	%	0.08		0.087	R	20.5	0.035	1.82	1.9	0.65	0.046	10.68	0.008	<0.001	0.29				-0.02	15.1		Ø 32-38x9mm	RM	W Stellite 25	
361-172A	%	0.08		0.098	R	21.85	0.027	1.76	0.77	0.3	0.09	23.7	-0.011	<0.0005	0.37		0.045		0.007	14		Ø 32-38x9mm	RM	W Stellite 188	
				COBALT ALLOY							CoNiCrMo														
VARIOUS	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Nb	Ni	P	Pb	S	Si	Sn	Ta	Ti	V	W	Others/Set Only	Size	Type	Alloy	
091-KN35C20D	%			33.1	20.27		0.435	0.005	9.66		35.8								0.793			Ø 33-38x15mm	CRM	W	
182-207A	%	0.044	0.0107	0.0065	33.5	19.98	0.014	0.64	0.0004	9.67	0.04	35.19	0.003	0.0029	0.05		0.007	0.91	0.014	0.03	Mn 0.015 N 31a	Ø31x18mm	RM	R30035	
341-81601	%		0.29		14.2		12.6	1.55	3.85	3.9	19.6	0.03		0.042	1.17					3.75		Ø40x15mm	CRM	C	
				COBALT ALLOY							SETTING-UP SAMPLES (SUS)														
VARIOUS	Al	B	C	Co	Cr	Cu	Fe	Mn	Mo	Nb	Ni	P	Pb	S	Si	Sn	Ta	Ti	V	W	Others/Set Only	Size	Type	Alloy	
084-RCO11	%			R	<0.005	<0.01	<0.02	<0.005	<0.005	<0.005	0.003	<0.003		<0.001	0.01				<0.03	0.001	0.01	Zr <0.003	Ø 35x40mm	SUS	
084-RCO14	%		0.2	R	30		0.7	0.5			10	<0.005		<0.005	1					7		Ø 35x40mm	SUS		
341-COSUS1	%	2	0.01	0.9		27		4	0.9	5	1.1	12	0.05	0.02	0.1	1.3	0.1	0.1	0.05	0.1	5	Zr 0.05	Ø45x20mm	SUS	

