

## Cobalt Based Powders

Process			Alloy	Chemical Composition (wt%)						UNS	ASTM	AMS	DIN	Similar Grades
Selective Laser Melting	Electron Beam Melting	Laser Metal Deposition		Element	Min	Max	Element	Min	Max					
		✓	Co 64	B	0.005	0.1	Mn		1.00					CM-64
				C	0.70	1.00	Ni	4.0	6.0					
				Co	Bal	Bal	Si		1.00					
				Cr	26	30	V	0.75	1.25					
				Fe		3.0	W+Mo	18	21					
		✓	CoCr23	C	0.55	0.65	Ta	3.00	4.00					
				Co	Bal	Bal	Ti	0.15	0.30					
				Cr	22.50	24.25	W	6.5	7.0					
				Ci	9.0	10.0	Zr	0.30	0.6					
		✓	CoCr27	C	0.90	1.25	Mo		1.0			5788		Cobalt-6
				Co	Bal	Bal	Ni		3.0					
				Cr	26.5	30.5	Si	1.2	2.0					
				Fe		3.0	W	3.5	5.5					
				Mn		0.5								
✓		✓	CoCrLC	Al		0.10	Mo	5.0	7.0	31537	F1537 /F75			MP1/ISO 5832-4/ISO 5832-12
				B		0.010	Ni		0.50					
				C		0.16	P		0.020					
				Co	Bal	Bal	S		0.010					
				Cr	27.0	30.0	Si		1.0					
				Fe		0.75	Ti		0.10					
				Mn		1.0	W		0.20					