

Cobalt Based Alloys

Longwear Certified Air Melt Ingots - Alloy Cross Reference Index - Cobalt Based Alloys

In addition to the above Specifications we can offer manufacturing to Customer individual requirements and specifications including Toll Melting and re-melting. Longwear Alloys Ltd assumes no liability for errors or omissions. In relationship to the information contained in this document.

	Long-wear Grade Ref	Alloy Spec	Associated Specs	Refer-ence	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	Fe	Others
					Min/Max	Min/Max									
Co	LWST 6	ST6	AMS5387	Stellite® 6	1.10/1.40	1.50	1.00	0.03	0.03	27.0/31.0	3.00	1.50		3.00	3.50/5.50W
Co	LWST 21	ST21	KC25NW /AMS 5789	Stellite® 21	0.20/0.30	1.00	1.00	0.035	0.035	25.00/29.00	1.75/3.75	5.00/6.00		3.00	Balance Co 0.007B
Co	LWST 25	ST25	HS 25	Stellite® 25	0.05/0.15	1.00	1.00/2.00	0.04	0.03	19.00/21.00	9.00/11.00			3.00	14.00/16.00W Co Balance
Co	LWST Star J	STJ		Stellite® StarJ	2.30/2.70	1.00	1.00	0.03	0.03	31.50/34.00	2.50			3.00	16.00/19.00W Co Bal
Co	LWST31	X40	KC25NW	Stellite® 31	0.45/0.55	1	1	0.04	0.04	24.50/26.50	9.50/11.50	0.20	0.10	2.00	7.00/8.00W Bal Co 0.006/0.015B
Co	LWX45	X45	KC25NWX		0.20/0.30	0.75/1.0	0.4/1.0	0.04	0.04	24.50/26.50	9.50/11.50	0.20	0.10	2.00	7.00/8.00W Bal Co
Co	LW-414	FSX414			0.20/0.30	0.4/1.00	0.50/1.0	0.04	0.04	28.50/30.50	9.50/11.50	0.20	0.10	2.00	6.5/7.5W Bal Co 0.006/0.015B
Co	LWST8	CoCr-Mo	ASTM F75	Stellite® 8	0.35	1.00	1.00	0.02	0.01	27.00/30.00	0.50	5.00/7.00		0.75	0.18/0.22N 0.20W Co Bal
Co	LWT400	T400			0.08	2.2/2.6		0.03	0.03	7.5/8.5		27.0/29.0			60.0/63.0 Co 3.0 Ni+Fe 0.05N2 0.05O2
Co	LWT800	T800			0.08	3.0/3.5		0.03	0.03	16.5/17.5		27.0/29.0			50.0/53.0 Co 3.0 Ni+Fe 0.05N2 0.05O2
Complex	LW-155	N155	AMS5531,32,85	Multimet	0.10/0.20	1	1.00/2.00	0.04	0.03	20.00/22.50	19.00/21.00	2.50/3.50	0.25	Bal	18.5/21.0Co 2/3W 0.8/1.25Nb 0.1/0.2N

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Please contact the Sales Office to confirm specification details prior to placing an order. Tel: +44 (0)121 553 4974