

ALLOY 25 / L605 COBALT ALLOY

Cobalt Alloy 25/L605 has a carefully balanced composition of cobalt, chromium, tungsten, and other trace elements. The main strengths of this alloy are its ability to resist corrosion and wear, as well as its capacity to endure high temperatures. Cobalt Alloy L605 maintains its structural integrity well, even when subjected to caustic environments, abrasive forces or scorching heat.

The main strength of Cobalt Alloy L605 is its hardness, which is achieved through a heat treatment process. This hardness is no mere boast - it translates into exceptional wear resistance that allows the alloy to shrug off the harshest conditions. Whether it's being subjected to relentless friction or operating in abrasive environments, L605 exhibits a tenacity that few materials can match. In industries where downtime is unacceptable and failure is not an option, L605 stands as a tireless workhorse, ready to take on the most punishing challenges.

But the capabilities of Cobalt Alloy L605 don't end there. Its remarkable strength at extreme heat levels means it is a good choice for high heat applications, e.g. Industrial Furnace Lines. From the blistering environments of aerospace applications to the furnace-like conditions of power generation and chemical processing plants, components crafted from this alloy stand unwavering, their structural integrity never compromised.

II Applicatio	ns	9.14 g	J/CM ³				
Il Applicatio	ns						
		Typical Applications					
					AMS 5	5759	
					AMS 5	537	
C	hemical	Comp	ositio	n (Wt	%)		
Si P	s	Cr	Ni	w	FE	Со	
	-	19	9	14	-	Bal	
0.4 0.04	0.03	21	11	16	3		
•	Si P - 0.4 0.04	Si P S 9.4 0.04 0.03	Si P S Cr 19 0.4 0.04 0.03 21	Si P S Cr Ni 19 9	Si P S Cr Ni W - - 19 9 14 0.4 0.04 0.03 21 11 16	- - 19 9 14 - 0.4 0.04 0.03 21 11 16 3	Si P S Cr Ni W FE Co - - 19 9 14 - Bal 0.4 0.04 0.03 21 11 16 3

	0.2% Proof Stress	Tensile Strength	Elongation	Hardness
	MPA	MPA	%	НВ
Content	310	862	30	277

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General Enquiries

T: +44 (0) 1525 217 556 <u>(tel:+4401525217556)</u>

E: sales@dynamicmetalsltd.com (mailto:sales@dynamicmetalsltd.com)



UK Address:

Head Office

40 Eden Way **Chartwell Business Park** Leighton Buzzard Bedfordshire LU7 4FY

T: +44 (0)1525 217 556 (tel:+441525217556)

Conversion Centre

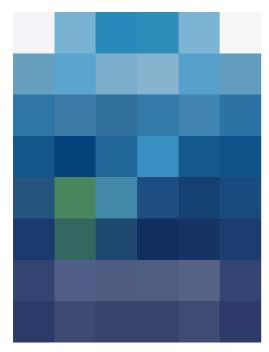
Suite 2 Meadowhall Riverside Meadowhall Road Sheffield South Yorkshire S9 1BW

T: +44 (0)1143 030 320 (tel:+4401143030320)

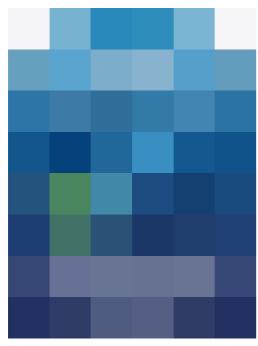
Registered Office (only)

The Granary Crowhill Farm Ravensden Road Wilden Bedfordshire MK44 2QS

T: +44 (0)1525 217 556 <u>(tel:+441525217556)</u>



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