

Material Grade: **H13**

Associated Standard: **ASTM A681**

**1. STEELMAKING**

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>S</u>	<u>P</u>	<u>Cr</u>	<u>Ni</u>	<u>Mo</u>	<u>V</u>
Min	0.32	0.80	0.20			4.75		1.10	0.80
Max	0.45	1.25	0.60	0.030	0.030	5.50	0.40	1.75	1.20

**2. TYPICAL MECHANICAL PROPERTIES**

Test type		<u>Tensile and hardness test (at room temperature)</u>						
		Yield (Re)	0.2 % proof	UTS (Rm)	Elong (A)	R of A (Z)	Hardness	
Unit		N/mm2	N/mm2	N/mm2	%	%	HB	HV
Annealed	Min							
	Max						235	
Cold drawn	Min							
	Max						262	