

Modulus of Elasticity			Maximum Safe Temp						
Material	Torsion 10'	Tension 10'	Magnetic	Corrosion Fatigue	T.P / T.S.**	High	Low	Corrosion Resistance (general)	Spring Temper Range (KSI)
M400	10	10	Varies	Good		450 F	-320 F	Good	145/180
K-500	10	10	No	Good	38/42	500 F	-423 F	Good	145/195
600	11	11	No	Good	40/45	750 F	-423 F	Good	170/230
601	11.5	11.5	No	Good				Good	120/205
625	11	11	No	Excellent		700 F	-423 F	Excellent	
718*	11	11	No	Good		1200 F	-423 F	Good	210/250
X750	11	11	No	Good	40/45	1200 F	-453 F	Good	190/230
800	11	11	No	Good				Good	140/175
805	9	9	Slight	Good				Good	150/190
825	10	10	No	Good				Good	
NS902*	9.5	9.5	Slight	Fair				Fair	140/160
H C-276	11.4	11.4	No	Excellent				Excellent	
302/304	11	28	Slight	Fair	40/45	500 F	-320 F	Good	190/360
316	11	28	No	Good	45/50			Good	190/360
347	11	28.5	Slight	Fair	45/50			Fair	190/310
20Cb	11	28	No	Good				Good	
17-7 PH*	11	29	Yes	Fair		550 F	-320 F		230/365
TT-50	10.5	20	No	Good				Good	165/234
410	12	30	Yes	Poor	42/55	500 F		Fair	
430	13	28	Yes	Poor	42/55			Fair	160/200

*Age Hardenable

**Approximate Ratio of Torsional Proportional Limit to Ultimate Tensile Strength for Spring Wire

HASTELLOY is a registered trademark of Haynes Corp.

NS: Ni-Span-C H: Hastelloy TT: Tech-Tronic