



# Cold Forming and Machining Comparison Quick Reference

<b>Cold Forming &amp; Screw Machine Materials Cross Reference Examples</b>	
<b>Cold Forming Grade</b>	<b>Screw Machine Grade</b>
Au, Au alloys, most Neyoro™ alloys	Au, some Au alloys, Neyoro™ H
Pd, Pd alloys, most Paliney® alloys	Paliney® 6, Paliney® 7, Alloy 8010
PtIr 90-10 and most other Pt alloys	PtIr 90-10, PtIr 80-20
Ta and some Ta alloys	Ta difficult to machine
Nb and some Nb alloys	Nb difficult to machine
Mo and some Mo alloys	Mo difficult to machine
Al - 7xxx, 6061, 5052, 1100	Al 6061
SS - 302HQ, 304L, 316L, 316LVM	303 SS (Pb, S, Mn added)
NiFe 42 or 52 alloys (Kovar)	NiFe 36 (Invar)
Grade 2 Ti	Grade 5 6Al-4V Ti, Grade 1 CP Ti
Electromagnetic Fe (Pure) and CMI-C	Electromagnetic Fe with S, Pb, and Te
1008 low carbon steel	12L14 free machining steel
C51000 phosphor bronze (Pb free)	C54400 phosphor bronze (Pb added)
260 cartridge brass (Pb free)	360 free machining brass (Pb added)
102 OFHC Cu	173 BeCu
102 OFHC Cu	CDA 187 Cu (Pb added)
102 OFHC Cu	145 CuTe

Contact Deringer-Ney @ 860-286-6101 or [www.DeringerNey.com](http://www.DeringerNey.com)