

Table 3. Composition of Common Sheath Metals

Materials	Nominal Composition
Stainless Steels	
Type 304	Cr 18, Ni 10, Fe Bal., C .08 max.
304L	Cr 18, Ni 10, Fe Bal., C .04 max.
310	Cr 25, Ni 20, Fe Bal.
316	Cr 17, Ni 13, Fe Bal., 2.5 Mo
321	Cr 18, Ni 10, Fe Bal., Ti 5 x C min.
347	Cr 18, Ni 11, Fe Bal., Cb + Ta 10 x C min.
348	Cr 18, Ni 11, Fe Bal., Cb + Ta 10 x C min., .10 max.
410	Cr 12, Fe Bal.
430	Cr 17, Fe Bal.
446	Cr 27, Fe Bal., .10-.25 N added
Hastelloy C	Cr 15, Ni Bal., Mo 16, Fe 5, W4
Hastelloy X	Cr 21, Ni Bal., Mo 9, Fe 18, Co 2
Haynes 25 (L-605)	Cr 20, Ni 10, W 15, Mn 1.5, Co Bal.
Haynes 188	Cr 22, Ni 22, W 14, Co ^a 39, Si 35, C 10, Fe 3, Mn 1.25
Incoloy 800	Cr 20, Ni 32, Fe 46
Inconel 600	Cr 16, Ni Bal., Fe 7
Inconel 625	Cr 21, Ni Bal., Fe 5 max., Cb + Ta 3.5, Mo 9
Inconel 702	Cr 16, Ni Bal., Al 3, Fe 2 max.
Inconel X750	Cr 15, Ni 70 min., Ti 2.5, Al .5, Fe 5-9
Monel Alloy 400	Ni 66, Cu 31.5, Fe 1.35
Nickel	Ni 99.4+
Niobium (Columbium)	Nb 99.3+
Platinum	Pt 99.9+
Tantalum	Ta 99.8+
Copper	Cu 99.5+
Pt-10Rh	Pt 90, Rh 10
Pt-13 Rh	Pt 87, Rh 13