

# Fine Tubes Grade Chart

e108 - HPLC

ALLOY UNS No.	Werk- stoffe	Chemical Analysis %							Density		Tem- per	Tensile Rm (min)		Yield Rp 0.2% (min)		Elong. % min	Hard- ness HV	Application
		C	Mn	Ni	Cr	Fe	Mo	N	g/ cm <sup>3</sup>	lb/in <sup>3</sup>		ksi	MPa	ksi	MPa			
316L S31603	1.4404	0.035 max	2.0 max	10.0- 13.0	16.0- 18.0	bal	2.0- 2.5		7.93	0.286	ANN	70	485	25	170	35	200 max	Standard AOD melt austenitic stainless steel grade.
	2.5- 3						316L with minimum molybdenum content of 2.5%.											
316LN S31653	1.4406	0.035 max	2.0 max	10.0- 14.0	16.0- 18.0	bal	2.0- 3.0	0.10- 0.16	7.93	0.286	ANN	75	515	30	205	35	200 max	Good corrosion resistance and weldability. Higher proof strength than 316L.
316LVM S31673	1.4441	0.030 max	2.0 max	11.0- 14.0	17.0- 19.0	bal	2.0- 3.0		7.93	0.286	ANN	70	485	25	170	35	200 max	Vacuum remelt or ESR to achieve highest microcleanliness levels and structural homogeneity.