



CHEMICAL CHART AND CATALOG NOTES



KEY TO CHEMICAL COMPOSITION CHART

C	CARBON	SI	SILICON	TI	TITANIUM	CU	COPPER
MN	MANGANESE	NI	NICKEL	W	TUNGSTEN	FE	IRON
P	PHOSPHORUS	CR	CHROMIUM	N	NITROGEN	CO	COBALT
S	SULPHUR	MO	MOLYBDENUM				

The information in this catalog was gathered from the following sources:

- ASTM data
- Trent Tube data
- Inco Alloys data
- Penn Machine data
- Sandvik Steel data
- Avesta Sheffield data
- Eastern Stainless Corp. data
- Teledyne Rodney Metals data
- Haynes International data
- VDM Technologies data
- Tubesales data

ALLOY CONVERSION CHARTS — POUNDS PER FOOT

SIZE	WT.	SIZE	WT.	SIZE	WT.	SIZE	WT.	SIZE	WT.
1.000	3.01	2.000	12.00	3.500	36.84	5.000	75.12	9.000	243.60
1.250	4.70	2.250	15.24	4.000	48.12	6.000	108.24	10.000	301.20
1.500	6.77	2.500	18.84	4.250	54.36	7.000	147.60	11.000	363.60
1.750	9.20	3.000	27.00	4.500	60.84	8.000	192.00	12.000	433.20

CONVERSION FACTORS (CF)

ALLOY	CF	ALLOY	CF	ALLOY	CF	ALLOY	CF
200	1.009	600	0.962	800	0.903	C-276	1.009
400	1.000	625	0.959	825	0.925	Stainless	0.890

Multiply bar weight by conversion factor to obtain correct theoretical weight for specific alloy.
Weights are per foot based on Monel 400