TECHNI-CAST	D60	D65	D80	D100	D120	CL20	CL30	CL40	CL50	NR1	NR2	NRD2	NRD3	NRD5
FEDERAL														
MILITARY														
NAVY														
ACI														
AISI														
ASTM	A-536, 60-40-18	A-536, 65-45-12	A-536, 80-55-06	A-536, 100-70-03	A-536, 120-90-02	A-48, CL. 20A	A-48, CL. 30A	A-48, CL. 40A	A-48, CL. 50A	A-436, TYPE 1	A-436, TYPE 2	A-439, D-2	A-439, D-3	A-539, D5
UNS														
SAE														
AMS														
ASME														
CHROMIUM										2.00	2.00	2.25	3.00	.10X
CARBON										3.00X	3.00X	3.00X	2.60X	2.40X
SILICON										2.00	2.00	2.25	2.00	1.50
NICKEL										15.00	20.00	20.00	30.00	35.00
COPPER										6.50	.50X			
MOLYBDENUM														
NIOBIUM														
MANGANESE										1.00	1.00	1.00	1.00X	1.00X
NITROGEN														
TENSILE, psi	120,000	65,000	80,000	100,000	120,000	20,000	30,000	40,000	50,000	25,000	25,000	58,000	55,000	55,000
YIELD, psi	40,000	45,000	55,000	70,000	90,000							30,000	30,000	30,000
ELONGATION, %	18	12	6	3	2							8	6	20
R/A, %														
BHN										131	118	139-202	139-202	131-185
CONDITION														