TABLE III

SUMMARY OF EXTRUSION CONDITIONS FOR THE 18 Ni MARAGING STEELS

MATERIAL	CONDITION	COLD EXTRUSION % R.A.	EXTRUSION PRESSURE KSI
250 Grade Maraging	Solution Treated	15	68
		25	104
		35	124
		50	156
	Solution Treated and Aged	15	107
		25	136
		35	181
		50	265
		65	346
350 Grade Maraging	Solution Treated and Aged	15	121
		25	234

TABLE IV

MECHANICAL PROPERTIES OF NICKEL BASE SUPERALLOYS

MATERIAL	CONDITION	EXTRUSION PRESSURE KSI	0.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	PERCENT ELONGATION %	REDUCTION OF AREA %
Inco 713LC	As Cast	--	111.6	139.0	14	15
	Extruded 50%	17.1	136.5	149.0	18	71
Inconel 718	As Heat Treated	--	153.4	198.5	20	30
	Extruded 50% + Re-Aged	15.1	300.0	304.8	2	5
René 41	As Heat Treated	--	133.8	193.2	7	12
	Extruded 50%	15.8	243.0	291.0	3	11
Udimet 630	As Heat Treated	--	177.6	204.0	8	10
	Extruded 50% + Re-Aged	15.6	268.8	268.8	0	0