DEPARTMENT OF THE AIR FORCE
AIR FORCE RESEARCH LABORATORY
WRIGHT-PATTERSON AIR FORCE BASE OHIO 45433

MEMORANDUM FOR SEE DISTRIBUTION

12/12/00

FROM: AFRL/MLME
2310 8th Street
Bldg. 167
Wright-Patterson AFB OH 45433-7801

SUBJECT: Lead Time Report: Second Quarter 2000 (2Q00)

1. The Lead Time Report for the Second Quarter 2000 is Attachment 1. Our survey results are based on input from 12 aerospace companies.

2. If you have questions, please contact the undersigned at (937) 255-2456 or DSN 785-2456.

JAMES NEELY, Program Manager
Defense Priorities and Dimishing Sources Program
Defense Production Act Team
Manufacturing Technology Division

Attachment:
1. 2Q00 Lead Time Report

AFRL/MLME
(TITLE I PROGRAM)
2310 8TH STREET
BLDG. 167
WRIGHT-PATTERSON AIR FORCE BASE
OHIO 45433-7801

AERONAUTICAL MATERIAL LEAD TIME SURVEY
SECOND QUARTER 00

GLOSSARY OF ABBREVIATIONS

QUARTER DESIGNATIONS: Quarters are designated by a four-digit number, such as 9501. The first two digits denote the calendar year, e.g. 95 for 1995, and the last two digits denote the quarter, e.g. 01 for the first quarter in this example.

MIN: The minimum lead time reported, in weeks. It is the lowest of the low lead times reported by the data providers.

MAX: The maximum lead time reported, in weeks. It is the highest of the low lead times reported by the data providers.

TYP: The typical lead time reported, in weeks. It is an arithmetic average of the typical lead time data reported by the data providers. (For a given company, the typical lead time is the reported average or normal lead time if this datum is provided; otherwise, it is the arithmetic average of their low and high lead time.)

NO: Number of companies providing data on the critical items.

NOLO: No minimum (low) lead time data available.

NOHI: No maximum (high) lead time data available.

NOTP: No typical lead time data available.

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS			# OF
		LOW	HIGH	TYP	COMPANIES
1	MATERIALS				
1.1	**ALUMINUM**				
1.1.1	FORGINGS:				
	PLAN AREA (SQ. IN.)				
1.1.1.1	000-200	6	40	23	7
1.1.1.2	201-800	6	48	25	7
1.1.1.3	801-UP	6	48	27	7
1.1.2	CASTINGS:				
1.1.2.1	SAND				
1.1.2.1.1	SIMPLE	8	52	17	9
1.1.2.1.2	COMPLEX	10	52	21	8
1.1.2.2	PERMANENT MOLD	8	52	18	7
1.1.2.3	DIE	6	42	15	6
1.1.2.4	INVESTMENT	8	60	20	8
1.1.2.5	SHELLMOLD	10	45	16	2
1.1.3	EXTRUSIONS:				
	CIRCLE SIZE (DIA. IN.)				
1.1.3.1	0-5	2	55	20	8
1.1.3.2	5-10	2	55	20	8
1.1.3.3	10-UP	2	28	18	8
1.1.4	BAR:	2	24	11	9
1.1.5	ROD:	2	24	11	8
1.1.6	SHEET:	2	36	14	9
1.1.7	PLATE:	2	36	14	9
1.1.8	TUBING:	2	51	19	10
1.2	**COMPOSITES**				
1.2.1	PREPREG:				
1.2.1.1	ARAMID	7	24	14	5
1.2.1.2	CARBON	7	28	17	6
1.2.2	STRUCTURES:				
1.2.2.1	ARAMID	4	50	17	5
1.2.2.2	CARBON	4	50	20	4

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS			# OF
		LOW	HIGH	TYP	COMPANIES
1.3	**MAGNESIUM**				
1.3.1	EXTRUSIONS:				
	CIRCLE SIZE (DIA. IN.)				
1.3.1.1	0-5	2	50	20	4
1.3.1.2	5-10	2	50	20	4
1.3.1.3	10-UP	2	50	20	4
1.3.2	BAR:	2	34	15	5
1.3.3	SHEET:	2	34	15	5
1.3.4	PLATE:	2	34	15	5
1.4	**STEEL (ALLOY)**				
1.4.1	FORGINGS:				
	PLAN AREA (SQ. IN.)				
1.4.1.1	000-200	12	50	25	8
1.4.1.2	201-800	12	50	26	8
1.4.1.3	801-UP	12	50	28	8
1.4.2	CASTINGS:				
1.4.2.1	SAND				
1.4.2.1.1	SIMPLE	9	32	19	7
1.4.2.1.2	COMPLEX	10	43	21	7
1.4.2.2	PERMANENT MOLD	8	45	19	6
1.4.2.3	DIE	6	50	17	5
1.4.2.4	INVESTMENT	10	60	18	8
1.4.2.5	SHELLMOLD	10	45	15	3
1.4.3	EXTRUSIONS:				
	CIRCLE SIZE (DIA. IN.)				
1.4.3.1	0-5	4	34	17	6
1.4.3.2	5-10	4	34	17	6
1.4.3.3	10-UP	4	34	17	6
1.4.4	BAR:	4	28	12	8
1.4.5	ROD:	4	28	12	7
1.4.6	SHEET:	4	22	12	8
1.4.7	PLATE:	4	22	12	8
1.4.8	TUBING:	4	25	14	10

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS			# OF
		LOW	HIGH	TYP	COMPANIES
1.5	**STEEL - NICKEL BASED ALLOYS (FOR ENGINES)**				
1.5.1	INCONEL:				
1.5.1.1	BILLET	6	30	18	3
1.5.1.2	INGOT	6	24	16	3
1.5.2	L-605:				
1.5.2.1	BILLET	6	40	21	2
1.5.2.2	INGOT	6	32	18	2
1.5.3	MAR-M247:				
1.5.3.1	BILLET	6	42	23	2
1.5.3.2	INGOT	6	38	21	2
1.5.4	RENE:				
1.5.4.1	BILLET	6	22	15	2
1.5.4.2	INGOT	6	18	12	2
1.5.5	HASTELLOY:				
1.5.5.1	WIRE	6	44	25	2
1.5.6	WASPALLOY:				
1.5.6.1	WIRE	6	44	21	4
1.6	**STEEL (STAINLESS)**				
1.6.1	BAR:	4	40	14	5
1.6.2	SHEET:	4	40	14	5
1.6.3	PLATE:	4	40	15	5
1.6.4	TUBING:	4	40	17	6

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS			# OF
		LOW	HIGH	TYP	COMPANIES
1.7	**TITANIUM**				
1.7.1	FORGINGS:				
	PLAN AREA (SQ IN)				
1.7.1.1	000-100	8	56	27	9
1.7.1.2	101-400	8	56	31	9
1.7.1.3	401-UP	8	58	31	9
1.7.2	CASTINGS:				
1.7.2.1	SAND				
1.7.2.1.1	SIMPLE	12	45	23	4
1.7.2.1.2	COMPLEX	12	45	24	4
1.7.2.2	PERMANENT MOLD	12	52	20	3
1.7.2.3	DIE	12	48	26	3
1.7.2.4	INVESTMENT	10	60	21	7
1.7.2.5	SHELLMOLD	12	52	18	3
1.7.3	EXTRUSIONS:				
	CIRCLE SIZE (DIA. IN.)				
1.7.3.1	0-5	4	52	26	6
1.7.3.2	5-10	4	52	26	6
1.7.3.3	10-UP	4	52	26	6
1.7.4	BAR:	4	52	22	7
1.7.5	ROD:	4	52	22	6
1.7.6	SHEET:	4	55	29	7
1.7.7	PLATE:	4	55	30	7
1.7.8	TUBING:	4	52	24	8

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS			# OF
		LOW	HIGH	TYP	COMPANIES
2	PARTS GENERAL				
2.1	**BEARINGS**				
2.1.1	AIRCRAFT WHEEL:	10	54	37	4
2.1.2	HIGH SPEED ACCESSORY:	10	52	39	5
2.1.3	WING PIVOT:	10	46	31	4
2.1.4	AIRFRAME - ROD END:				
2.1.4.1	BALL	10	50	35	4
2.1.4.2	ROLLER	10	50	34	4
2.1.5	MAIN SHAFT JET ENGINE:	10	65	38	4
2.1.6	SPECIAL:	5	50	28	8
2.2	**ELECTRICAL**				
2.2.1	BATTERIES:				
2.2.1.1	NICKEL CADMIUM (NiCd)	2	24	9	6
2.2.1.2	NICKEL HYDROGEN (NiH2)	2	36	10	5
2.2.2	CAPACITORS:				
2.2.2.1	CHIP	6	30	16	4
2.2.2.2	ELECTROLYTIC	6	22	12	3
2.2.2.3	OIL FILLED	8	36	16	4
2.2.2.4	OTHER	8	52	17	7
2.2.3	CONNECTORS:				
2.2.3.1	STANDARD	2	32	16	7
2.2.3.2	OTHER	8	36	20	7
2.2.4	INTEGRATED CIRCUITS:				
2.2.4.1	CUSTOM	5	40	21	5
2.2.4.2	HARDENED	5	36	20	5
2.2.4.3	MICRO-PROCESSOR	5	28	16	5
2.2.4.4	RAM	5	28	14	5
2.2.4.5	ROM	5	28	16	5
2.2.4.6	PROM	5	28	16	5
2.2.4.7	EPROM	5	50	16	5
2.2.4.8	STANDARD	5	28	15	5
2.2.5	PRINTED WIRE BOARDS:				
2.2.5.1	SINGLE SIDE	3	20	13	5
2.2.5.2	MULTI-LAYER	3	20	14	5
2.2.5.3	FLEX CIRCUIT	3	20	11	5
2.2.5.4	RIGID FLEX	3	40	17	6
2.2.6	TWTs (Traveling Wave Tubes)	3	45	23	4

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS			# OF
		LOW	HIGH	TYP	COMPANIES
2.2.7	RESISTORS:				
2.2.7.1	AUDIO	2	36	13	6
2.2.7.2	CARBON	1	36	11	7
2.2.7.3	FILM	4	36	11	7
2.2.7.4	HF	2	36	13	7
2.2.7.5	POWER	2	36	12	7
2.2.7.6	WIRE	2	36	12	7
2.2.8	TRANSISTORS:				
2.2.8.1	POWER	2	40	19	7
2.2.8.2	SWITCHING	2	40	14	7
2.2.8.3	FET (GaAs SUBSTRATE)	6	42	22	4
2.3	**FASTENERS**				
2.3.1	RIVETS:				
2.3.1.1	2219 ALUMINUM ALLOY				
2.3.1.1.1	SOLID	1	36	16	8
2.3.1.1.2	BLIND	1	36	17	8
2.3.1.2	7050 ALUMINUM ALLOY				
2.3.1.2.1	SOLID	1	36	15	8
2.3.1.2.2	BLIND	1	36	17	8
2.3.1.2.3	STD. HEAD	1	36	14	7
2.3.1.2.4	MS 14218 FLUSH-120 DEG. HEAD	1	36	13	7
2.3.2	BOLTS:				
2.3.2.1	A 286 SS				
2.3.2.1.1	SPLINE DRIVE	2	36	22	8
2.3.2.1.2	TORX SET RECESS	2	36	21	9
2.3.2.1.3	SLEEVE	2	36	21	9
2.3.2.2	PH13-8 SS				
2.3.2.2.1	SPLINE DRIVE	2	36	23	7
2.3.2.2.2	TORX SET RECESS	2	36	23	7
2.3.2.2.3	SLEEVE	2	36	22	8
2.3.2.3.	TI (6-4 ALLOY)				
2.3.2.3.1	SPLINE DRIVE	2	52	24	7
2.3.2.3.2	TORX SET RECESS	2	52	24	7
2.3.2.3.3	SLEEVE	2	52	23	8

QUARTERLY TRENDS
OF
FIVE LONGEST LEAD TIMES
AND
FIVE GREATEST CHANGES IN LEAD TIMES
SECOND QUARTER ’00

An additional category has been added to the charts. The combined category shows the longest lead time and the greatest change in lead time overall. This allows comparison overall as well as within each category.

LEAD TIME CHART DATA

DATE: 12/12/2000
FILE NAME: CHRT2.XLS

ELECTRICAL

TITLES:	LONGEST LEAD TIME	QUARTER 9902	9903	9904	0001	0002	AVERAGE
TRAVELLING WAVE TUBES (TWT)	E01	26.3	26.3	26.3	22.5	22.5	24.8
TRANSISTORS, FET (GaAs SUBSTRATE)	E02	19.5	19.3	17.3	20.8	22.0	19.8
INTEGRATED CIRCUITS, CUSTOM	E03	16.9	16.9	16.9	20.6	20.6	18.4
ELECTRICAL CONNECTORS, OTHERS	E04	22.4	22.1	22.4	20.9	20.4	21.6
INTEGRATED CIRCUITS, HARDENED	E05	18.9	18.6	18.9	19.8	19.8	19.2
	GREATEST CHANGE IN LEAD TIME	**9902**	**9903**	**9904**	**0001**	**0002**	**AVERAGE**
TRAVELLING WAVE TUBES (TWT)	E06	26.3	26.3	26.3	22.5	22.5	24.8
INTEGRATED CIRCUITS, CUSTOM	E07	16.9	16.9	16.9	20.6	20.6	18.4
TRANSISTORS, FET (GaAs SUBSTRATE)	E08	19.5	19.3	17.3	20.8	22.0	19.8
ELECTRICAL CONNECTORS, OTHERS	E09	22.4	22.1	22.4	20.9	20.4	21.6
INTEGRATED CIRCUITS, HARDENED	E10	18.9	18.6	18.9	19.8	19.8	19.2

MATERIAL

TITLES:	LONGEST LEAD TIME	QUARTER 9902	9903	9904	0001	0002	AVERAGE
TITANIUM FORGINGS, 401- UP SQ. IN.	M01	32.5	32.5	32.5	32.3	31.3	32.3
TITANIUM FORGINGS, 101-400 SQ. IN.	M02	31.5	31.5	31.5	32.0	30.8	31.5
TITANIUM PLATE	M03	35.8	35.8	35.8	33.4	29.6	34.1
TITANIUM SHEET	M04	37.1	37.1	37.1	29.6	28.7	33.9
STEEL (ALLOY) FORGINGS, 801- UP SQ. IN.	M05	28.2	28.2	28.2	28.0	27.9	28.1
	GREATEST CHANGE IN LEAD TIME	**9902**	**9903**	**9904**	**0001**	**0002**	**AVERAGE**
TITANIUM SHEET	M06	37.1	37.1	37.1	29.6	28.7	33.9
TITANIUM PLATE	M07	35.8	35.8	35.8	33.4	29.6	34.1
TITANIUM FORGINGS, 401- UP SQ. IN.	M08	32.5	32.5	32.5	32.3	31.3	32.3
TITANIUM FORGINGS, 101-400 SQ. IN.	M09	31.5	31.5	31.5	32.0	30.8	31.5
STEEL (ALLOY) FORGINGS, 801- UP SQ. IN.	M10	28.2	28.2	28.2	28.0	27.9	28.1

LEAD TIME CHART DATA

DATE: 12/12/2000
FILE NAME: CHRT2.XLS

MECHANICAL

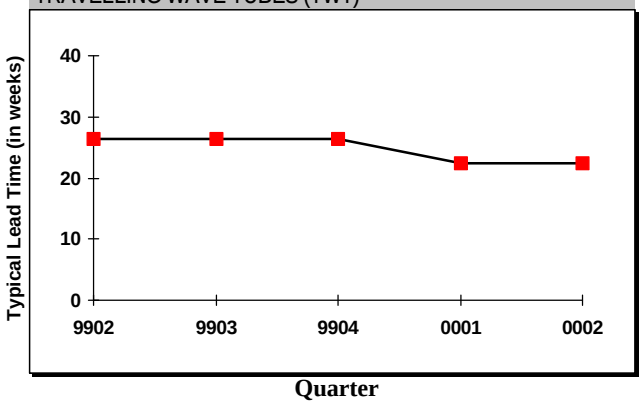
TITLES:	LONGEST LEAD TIME	QUARTER 9902	9903	9904	0001	0002	AVERAGE
BEARINGS, HIGH SPEED ACCESSORY	N01	46.3	46.0	46.3	44.2	39.0	44.3
BEARINGS, MAIN SHAFT JET ENGINE	N02	46.7	46.3	46.7	44.2	37.8	44.3
BEARINGS, AIRCRAFT WHEELS	N03	46.3	46.0	46.3	43.8	37.3	43.9
BEARINGS, AIRFRAME-ROD END, BALL	N04	45.0	44.7	45.0	42.2	35.3	42.4
BEARINGS, AIRFRAME-ROD END, ROLLER	N05	44.0	43.7	44.0	41.0	33.8	41.3
	GREATEST CHANGE IN LEAD TIME	**9902**	**9903**	**9904**	**0001**	**0002**	**AVERAGE**
BEARINGS, AIRFRAME-ROD END, ROLLER	N06	44.0	43.7	44.0	41.0	33.8	41.3
BEARINGS, AIRFRAME-ROD END, BALL	N07	45.0	44.7	45.0	42.2	35.3	42.4
BEARINGS, AIRCRAFT WHEELS	N08	46.3	46.0	46.3	43.8	37.3	43.9
BEARINGS, MAIN SHAFT JET ENGINE	N09	46.7	46.3	46.7	44.2	37.8	44.3
BEARINGS, HIGH SPEED ACCESSORY	N10	46.3	46.0	46.3	44.2	39.0	44.3

COMBINED

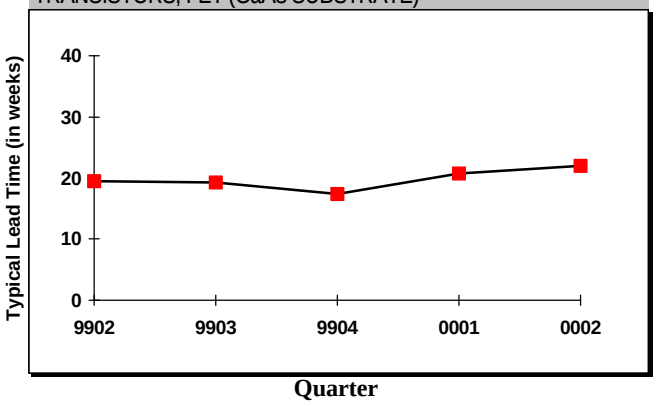
TITLES:	LONGEST LEAD TIME	QUARTER 9902	9903	9904	0001	0002	AVERAGE
BEARINGS, HIGH SPEED ACCESSORY	C01	46.3	46.0	46.3	44.2	39.0	44.3
BEARINGS, MAIN SHAFT JET ENGINE	C02	46.7	46.3	46.7	44.2	37.8	44.3
BEARINGS, AIRCRAFT WHEELS	C03	46.3	46.0	46.3	43.8	37.3	43.9
BEARINGS, AIRFRAME-ROD END, BALL	C04	45.0	44.7	45.0	42.2	35.3	42.4
BEARINGS, AIRFRAME-ROD END, ROLLER	C05	44.0	43.7	44.0	41.0	33.8	41.3
	GREATEST CHANGE IN LEAD TIME	**9902**	**9903**	**9904**	**0001**	**0002**	**AVERAGE**
BEARINGS, AIRFRAME-ROD END, ROLLER	C06	44.0	43.7	44.0	41.0	33.8	41.3
BEARINGS, AIRFRAME-ROD END, BALL	C07	45.0	44.7	45.0	42.2	35.3	42.4
BEARINGS, AIRCRAFT WHEELS	C08	46.3	46.0	46.3	43.8	37.3	43.9
BEARINGS, MAIN SHAFT JET ENGINE	C09	46.7	46.3	46.7	44.2	37.8	44.3
BEARINGS, HIGH SPEED ACCESSORY	C10	46.3	46.0	46.3	44.2	39.0	44.3

ELECTRICAL ITEMS WITH LONGEST LEAD TIME

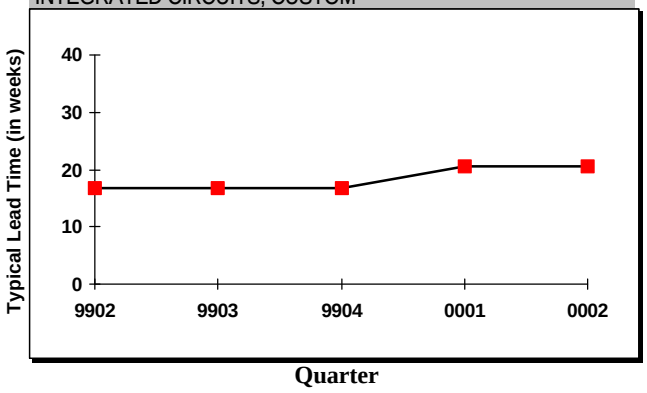
TRAVELLING WAVE TUBES (TWT)



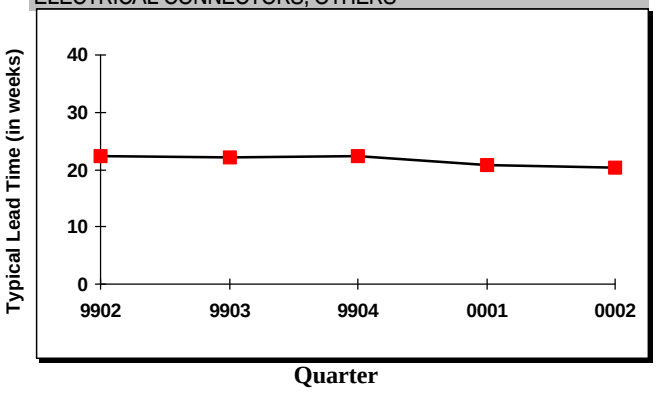
TRANSISTORS, FET (GaAs SUBSTRATE)



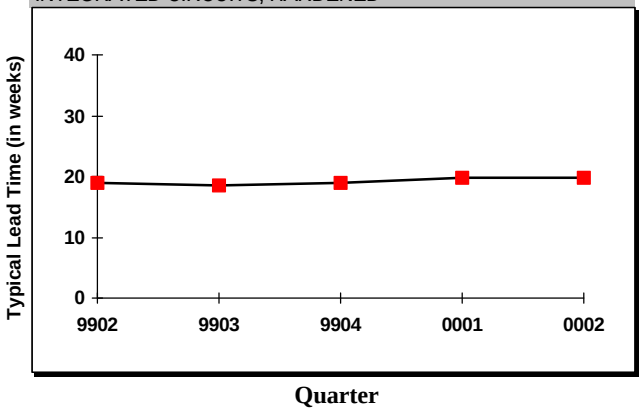
INTEGRATED CIRCUITS, CUSTOM



ELECTRICAL CONNECTORS, OTHERS

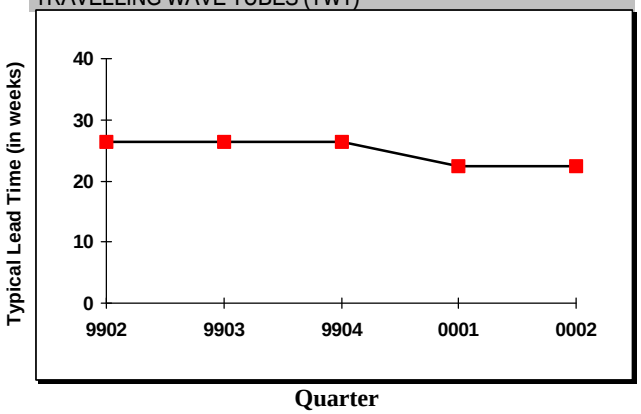


INTEGRATED CIRCUITS, HARDENED

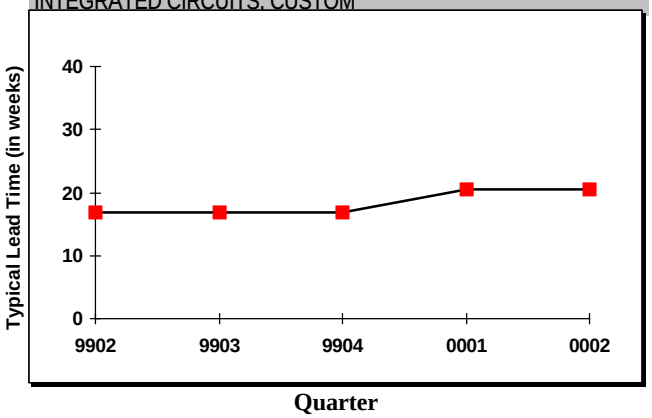


ELECTRICAL ITEMS WITH GREATEST CHANGE IN LEAD TIME

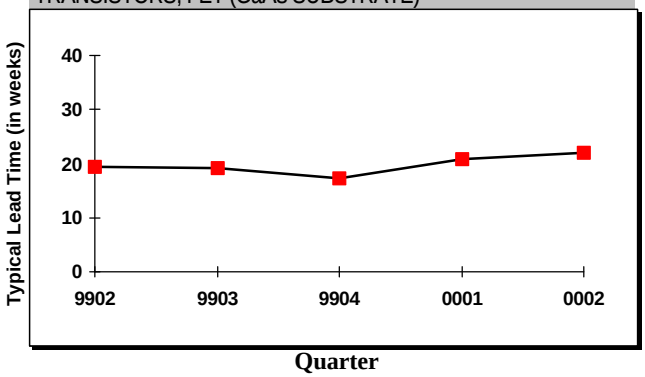
TRAVELLING WAVE TUBES (TWT)



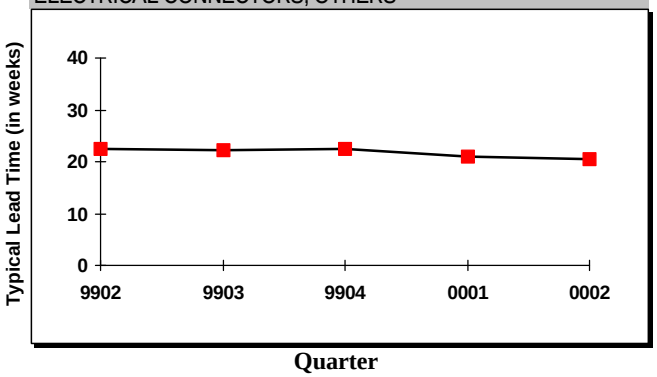
INTEGRATED CIRCUITS, CUSTOM



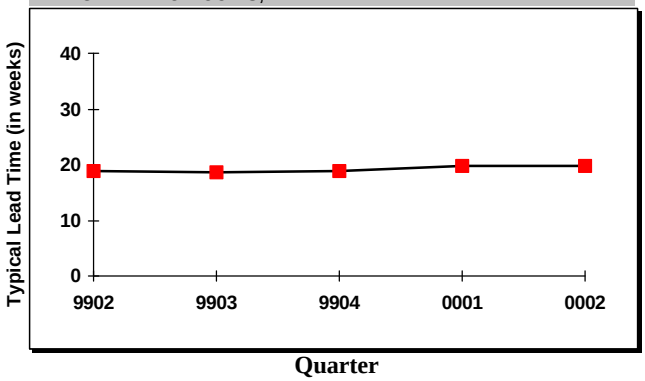
TRANSISTORS, FET (GaAs SUBSTRATE)



ELECTRICAL CONNECTORS, OTHERS

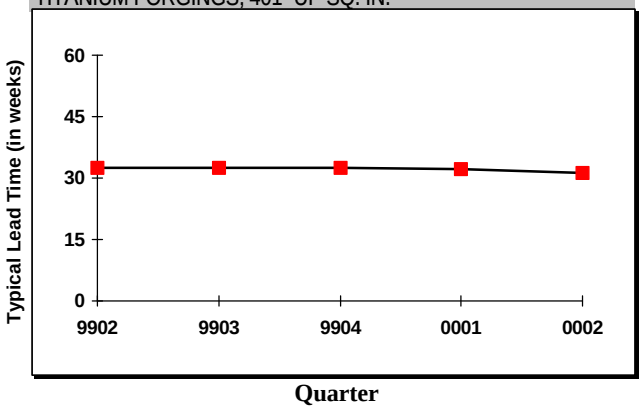


INTEGRATED CIRCUITS, HARDENED

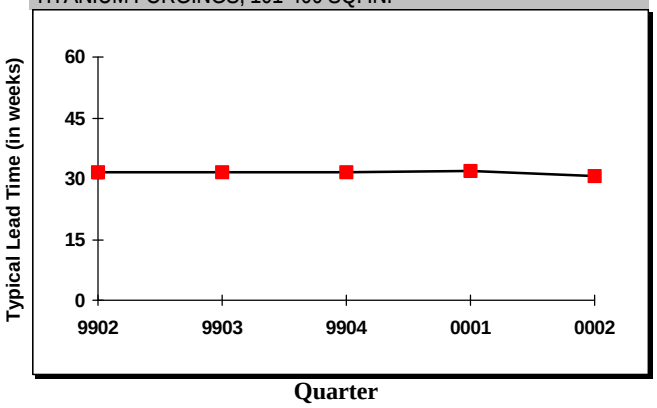


MATERIAL ITEMS WITH LONGEST LEAD TIME

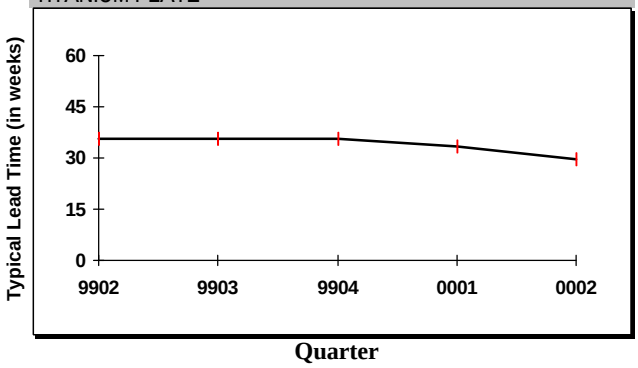
TITANIUM FORGINGS, 401- UP SQ. IN.



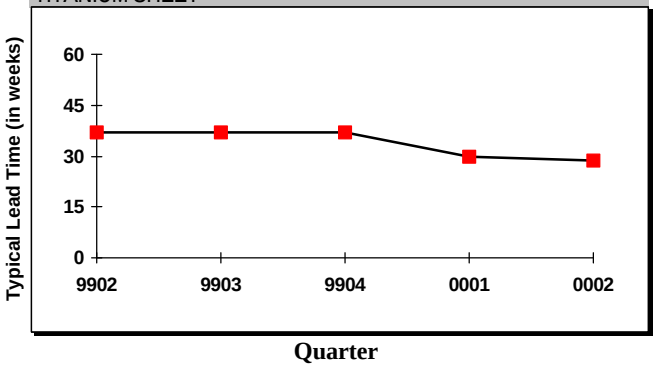
TITANIUM FORGINGS, 101-400 SQ. IN.



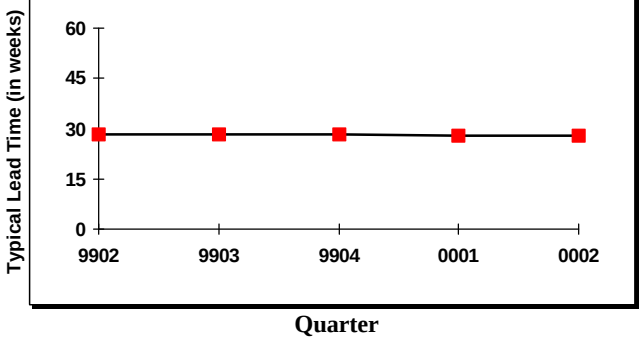
TITANIUM PLATE



TITANIUM SHEET

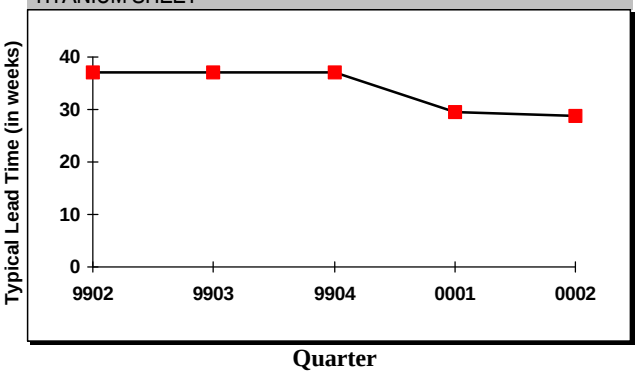


STEEL (ALLOY) FORGINGS, 801- UP SQ. IN.

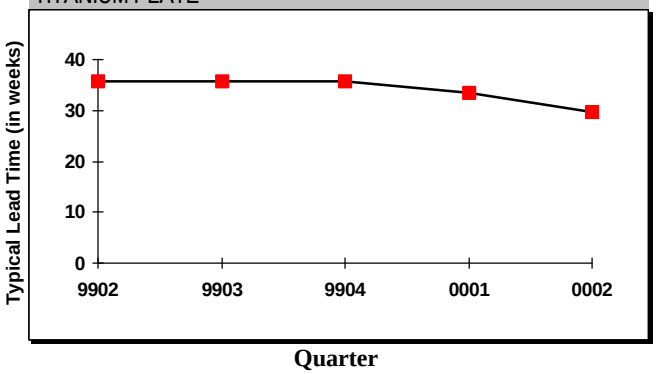


MATERIAL ITEMS WITH GREATEST CHANGE IN LEAD TIME

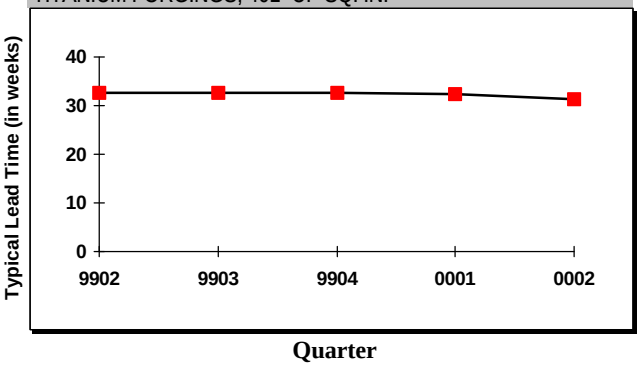
TITANIUM SHEET



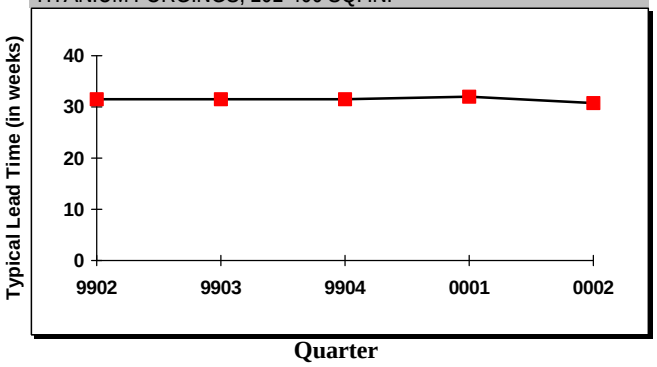
TITANIUM PLATE



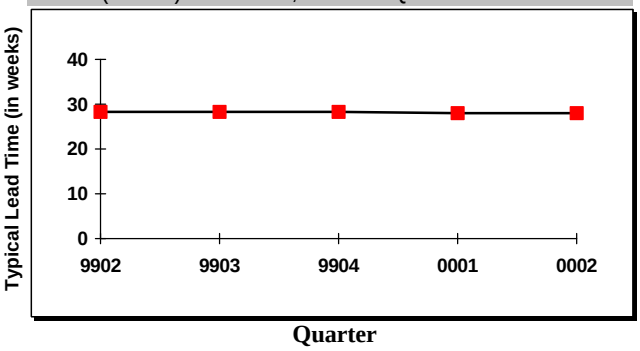
TITANIUM FORGINGS, 401- UP SQ. IN.



TITANIUM FORGINGS, 101-400 SQ. IN.

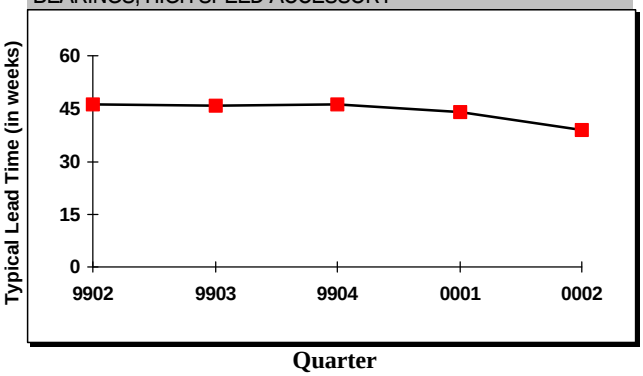


STEEL (ALLOY) FORGINGS, 801- UP SQ. IN.

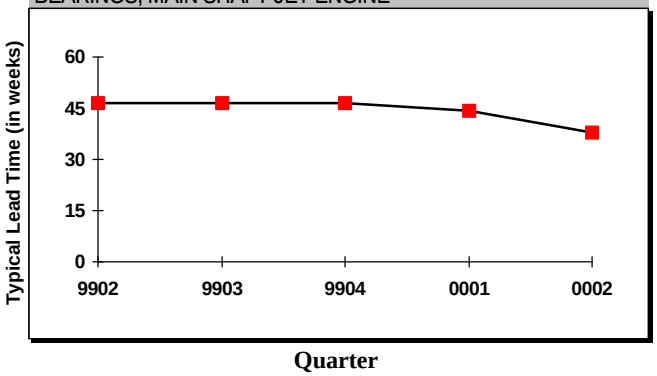


MECHANICAL ITEMS WITH LONGEST LEAD TIME

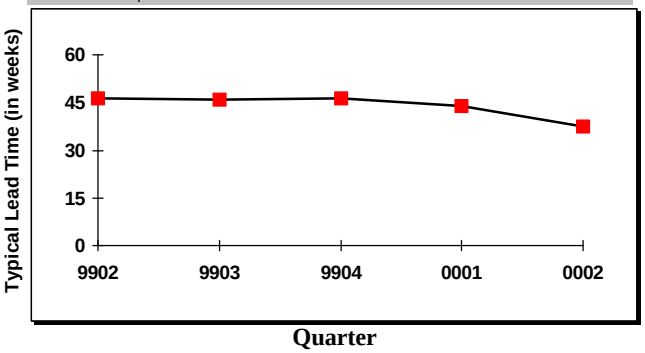
BEARINGS, HIGH SPEED ACCESSORY



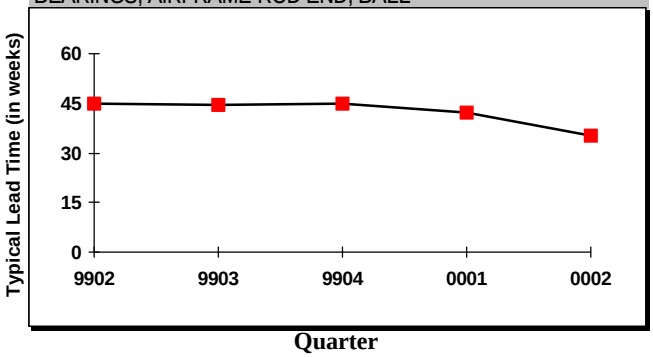
BEARINGS, MAIN SHAFT JET ENGINE



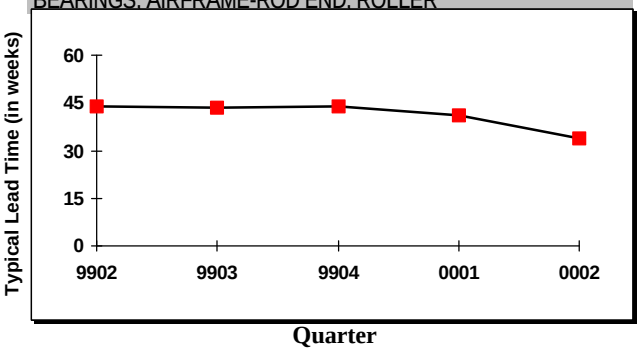
BEARINGS, AIRCRAFT WHEELS



BEARINGS, AIRFRAME-ROD END, BALL

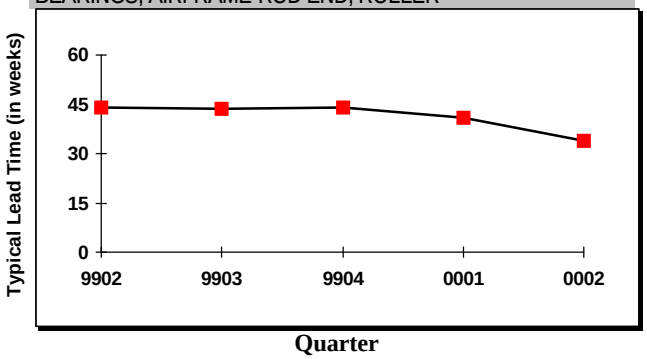


BEARINGS, AIRFRAME-ROD END, ROLLER

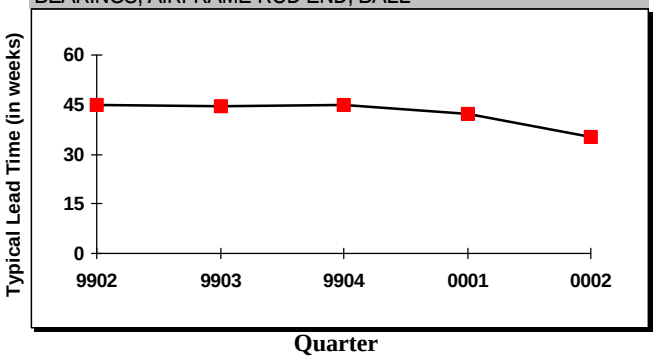


MECHANICAL ITEMS WITH GREATEST CHANGE IN LEAD TIME

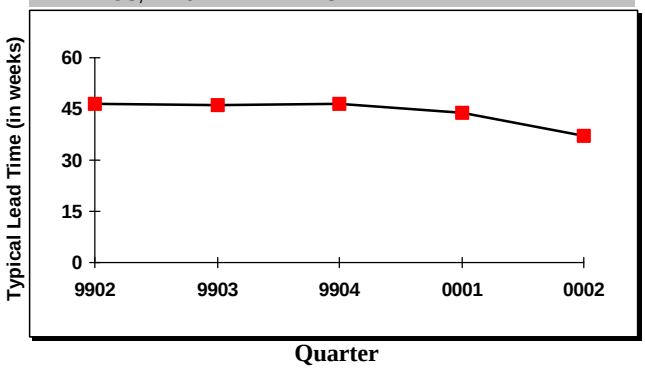
BEARINGS, AIRFRAME-ROD END, ROLLER



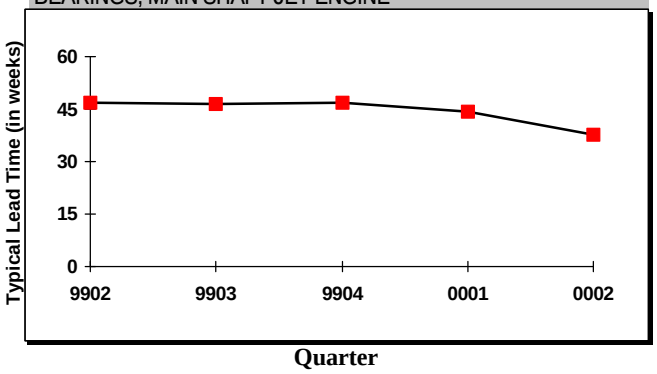
BEARINGS, AIRFRAME-ROD END, BALL



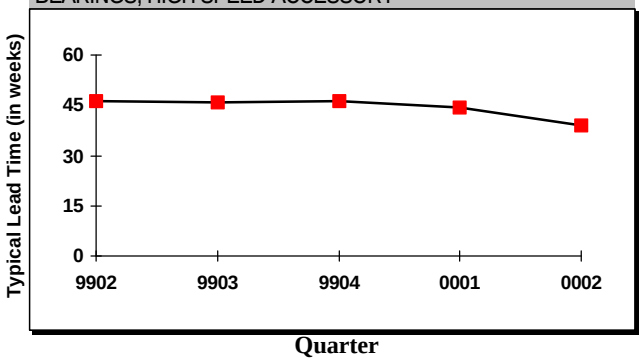
BEARINGS, AIRCRAFT WHEELS



BEARINGS, MAIN SHAFT JET ENGINE

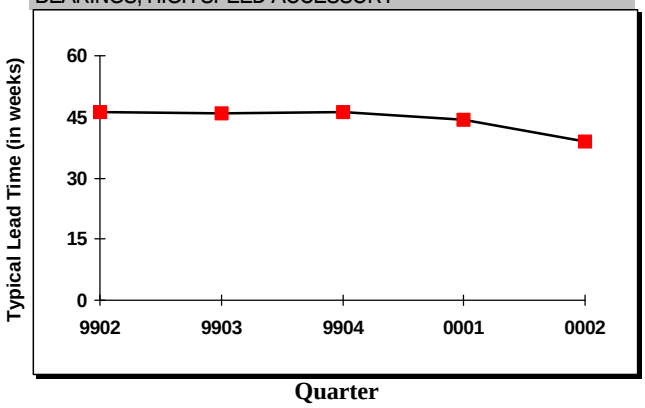


BEARINGS, HIGH SPEED ACCESSORY

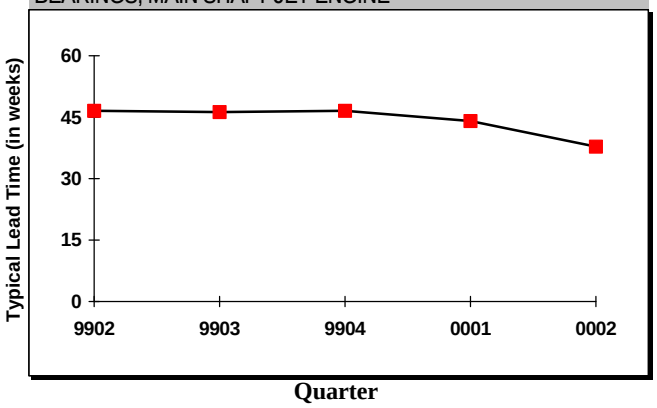


COMBINED ITEMS WITH LONGEST LEAD TIME

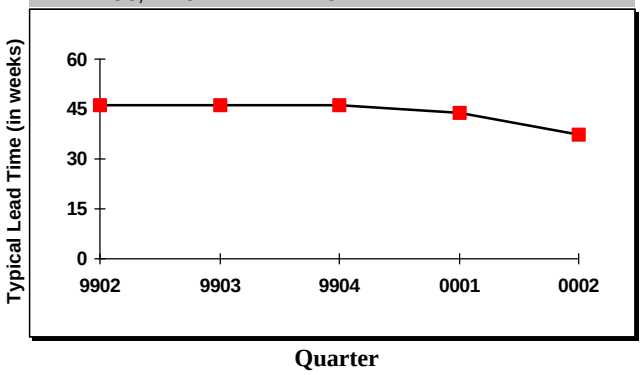
BEARINGS, HIGH SPEED ACCESSORY



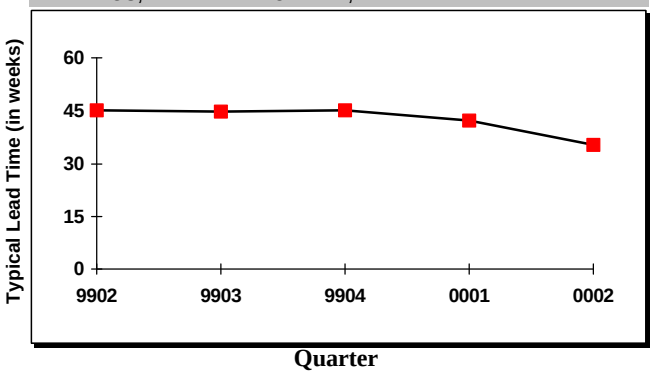
BEARINGS, MAIN SHAFT JET ENGINE



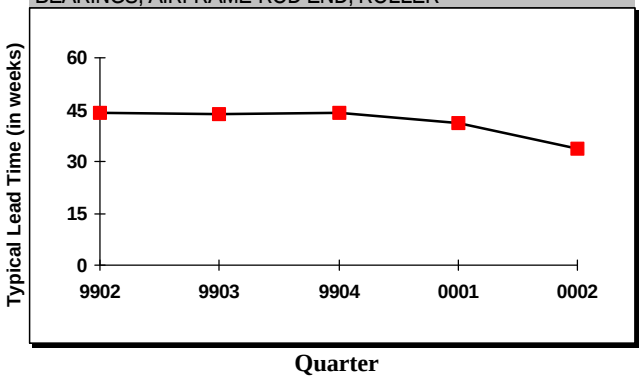
BEARINGS, AIRCRAFT WHEELS



BEARINGS, AIRFRAME-ROD END, BALL

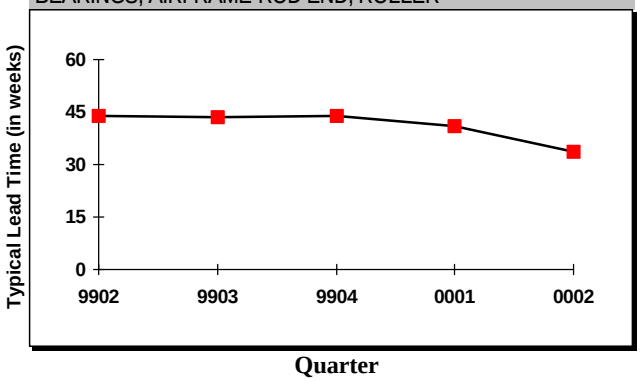


BEARINGS, AIRFRAME-ROD END, ROLLER

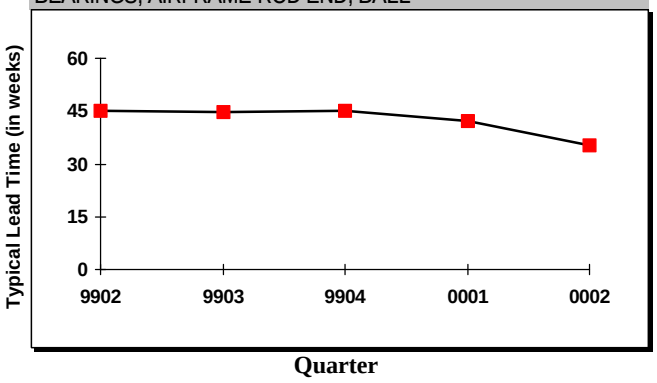


COMBINED ITEMS WITH GREATEST CHANGE IN LEAD TIME

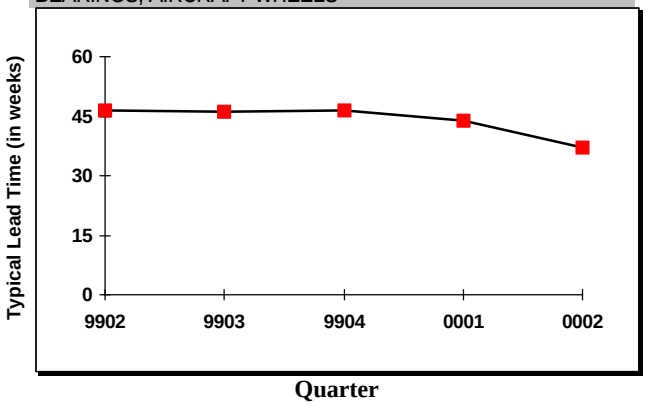
BEARINGS, AIRFRAME-ROD END, ROLLER



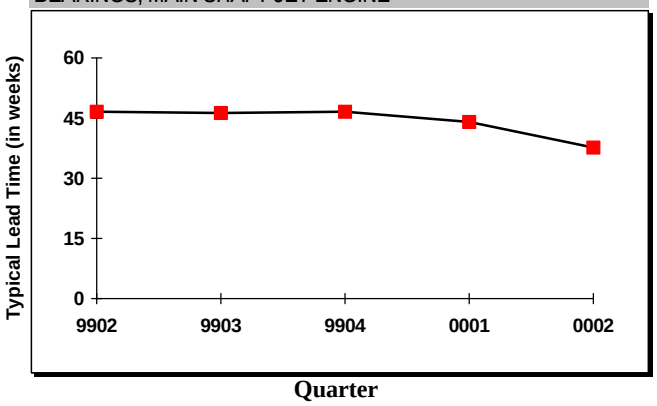
BEARINGS, AIRFRAME-ROD END, BALL



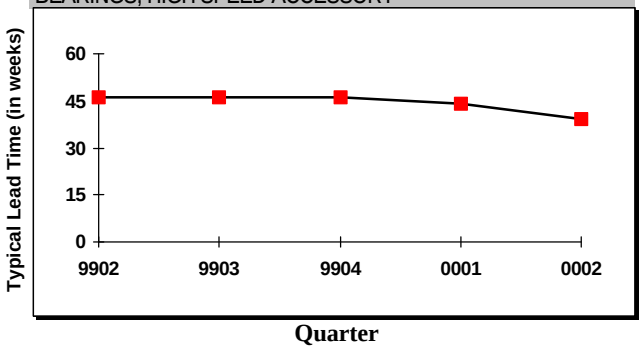
BEARINGS, AIRCRAFT WHEELS



BEARINGS, MAIN SHAFT JET ENGINE



BEARINGS, HIGH SPEED ACCESSORY



TITLE I
WPAFB, OH 45433-7801

Company Response Summary
Quarter Code: 0002

Part Number	Part Description	Typical
	Parts With Number of Respondees=	**2**
1.1.2.5	ALUMINUM SHELLMOLD CASTING	16.0
1.5.2.1	STEEL (NI-BASED) L-605 BILLET	21.0
1.5.2.2	STEEL (NI-BASED) L-605 INGOT	18.0
1.5.3.1	STEEL (NI-BASED) MAR-M247, BILLET	23.0
1.5.3.2	STEEL (NI-BASED) MAR-M247, INGOT	21.0
1.5.4.1	STEEL (NI-BASED) RENE BILLET	15.0
1.5.4.2	STEEL (NI-BASED) RENE INGOT	12.0
1.5.5.1	STEEL (NI-BASED) HASTELLOY WIRE	25.0
	Parts With Number of Respondees=	**3**
1.4.2.5	STEEL (ALLOY) SHELLMOLD CASTING	14.7
1.5.1.1	STEEL (NI-BASED) INCONEL BILLET	17.7
1.5.1.2	STEEL (NI-BASED) INCONEL INGOT	16.0
1.7.2.2	TITANIUM PERMANENT MOLD CASTING	19.7
1.7.2.3	TITANIUM DIE CASTING	25.7
1.7.2.5	TITANIUM SHELLMOLD CASTING	17.7
2.2.2.2	CAPACITORS, ELECTROLYTIC	12.3
	Parts With Number of Respondees=	**4**
1.2.2.1	COMPOSITES STRUCTURES, ARAMID	15.8
1.3.1.1	MAGNESIUM EXTRUSION, 0-5 DIA. IN.	19.8
1.3.1.2	MAGNESIUM EXTRUSION, 5-10 DIA. IN.	19.8
1.3.1.3	MAGNESIUM EXTRUSION, 10-UP DIA. IN.	19.8
1.5.6.1	STEEL (NI-BASED) WASPALLOY WIRE	21.0
1.7.2.1.1	TITANIUM SAND CASTING, SIMPLE	22.8
1.7.2.1.2	TITANIUM SAND CASTING, COMPLEX	24.3
2.1.1	BEARINGS, AIRCRAFT WHEELS	37.3
2.1.3	BEARINGS, WING PIVOT	30.8
2.1.4.1	BEARINGS, AIRFRAME-ROD END, BALL	35.3
2.1.4.2	BEARINGS, AIRFRAME-ROD END, ROLLER	33.8
2.1.5	BEARINGS, MAIN SHAFT JET ENGINE	37.8
2.2.2.1	CAPACITORS, CHIP	15.5
2.2.2.3	CAPACITORS, OIL FILLED	15.8
2.2.6	TRAVELLING WAVE TUBES (TWT)	22.5
2.2.8.3	TRANSISTORS, FET (GaAs SUBSTRATE)	22.0

TITLE I
WPAFB, OH 45433-7801

Company Response Summary
Quarter Code: 0002

Part Number	Part Description	Typical
	Parts With Number of Respondees=	**5**
1.2.1.1	COMPOSITES PREPREG, ARAMID	14.0
1.2.2.2	COMPOSITES STRUCTURES, CARBON	16.6
1.3.2	MAGNESIUM BAR	14.6
1.3.3	MAGNESIUM SHEET	14.6
1.3.4	MAGNESIUM PLATE	14.6
1.4.2.3	STEEL (ALLOY) DIE CASTING	17.2
1.6.1	STEEL (STAINLESS) BAR	14.4
1.6.2	STEEL (STAINLESS) SHEET	14.4
1.6.3	STEEL (STAINLESS) PLATE	15.2
2.1.2	BEARINGS, HIGH SPEED ACCESSORY	39.0
2.2.1.2	BATTERIES, NICKEL HYDROGEN (NiH2)	10.4
2.2.4.1	INTEGRATED CIRCUITS, CUSTOM	20.6
2.2.4.2	INTEGRATED CIRCUITS, HARDENED	19.8
2.2.4.3	INTEGRATED CIRCUITS, MICROPROCESSORS	16.4
2.2.4.4	INTEGRATED CIRCUITS, RAM	14.4
2.2.4.5	INTEGRATED CIRCUITS, ROM	16.0
2.2.4.6	INTEGRATED CIRCUITS, PROM	16.0
2.2.4.7	INTEGRATED CIRCUITS, EPROM	15.8
2.2.4.8	INTEGRATED CIRCUITS, STANDARD	14.6
2.2.5.1	PRINTED WIRE BOARDS, SINGLE SIDED	13.0
2.2.5.2	PRINTED WIRE BOARDS, MULTI-LAYER	13.6
2.2.5.3	PRINTED WIRE BOARDS, FLEX CIRCUIT	11.4
	Parts With Number of Respondees=	**6**
1.1.2.3	ALUMINUM DIE CASTING	15.3
1.2.1.2	COMPOSITES PREPREG, CARBON	17.0
1.4.2.2	STEEL (ALLOY) CASTING PERMANENT MOLD	18.7
1.4.3.1	STEEL (ALLOY) EXTRUSIONS, 0-5 DIA. IN.	17.0
1.4.3.2	STEEL (ALLOY) EXTRUSIONS, 5-10 DIA. IN.	17.0
1.4.3.3	STEEL (ALLOY) EXTRUSIONS, 10-UP DIA. IN.	17.0
1.6.4	STEEL (STAINLESS) TUBING	17.0
1.7.3.1	TITANIUM EXTRUSIONS, 0-5 DIA. IN.	25.8
1.7.3.2	TITANIUM EXTRUSIONS, 5-10 DIA. IN.	25.8
1.7.3.3	TITANIUM EXTRUSIONS, 10-UP DIA. IN.	26.0
1.7.5	TITANIUM ROD	22.0
2.2.1.1	BATTERIES, NICKEL CADMIUM (NiCd)	8.5
2.2.5.4	PRINTED WIRE BOARDS, RIGID FLEX	17.3
2.2.7.1	RESISTORS, AUDIO	13.0

TITLE I
WPAFB, OH 45433-7801

Company Response Summary
Quarter Code: 0002

Part Number	Part Description	Typical
	Parts With Number of Respondees=	**7**
1.1.1.1	ALUMINUM FORGINGS, 000-200 SQ. IN.	23.3
1.1.1.2	ALUMINUM FORGINGS, 201-800 SQ. IN.	24.7
1.1.1.3	ALUMINUM FORGINGS, 801- UP SQ. IN.	26.7
1.1.2.2	ALUMINUM PERMANENT MOLD CASTING	17.9
1.4.2.1.1	STEEL (ALLOY) SAND CASTING, SIMPLE	19.3
1.4.2.1.2	STEEL (ALLOY) SAND CASTING, COMPLEX	21.1
1.4.5	STEEL (ALLOY) ROD	12.1
1.7.2.4	TITANIUM INVESTMENT CASTING	21.1
1.7.4	TITANIUM BAR	21.7
1.7.6	TITANIUM SHEET	28.7
1.7.7	TITANIUM PLATE	29.6
2.2.2.4	CAPACITORS, OTHERS	17.1
2.2.3.1	ELECTRICAL CONNECTORS, STANDARD	15.6
2.2.3.2	ELECTRICAL CONNECTORS, OTHERS	20.4
2.2.7.2	RESISTORS, CARBON	10.9
2.2.7.3	RESISTORS, FILM	11.4
2.2.7.4	RESISTORS, HF	12.6
2.2.7.5	RESISTORS, POWER	12.3
2.2.7.6	RESISTORS, WIRE	11.7
2.2.8.1	TRANSISTORS, POWER	19.3
2.2.8.2	TRANSISTORS, SWITCHING	13.7
2.3.1.2.3	FASTENERS, 7050 ALUMIMUM ALLOY RIVETS,	13.7
2.3.1.2.4	FASTENERS, 7050 ALUMINUM/MS 14218 RIVETS,	13.4
2.3.2.2.1	FASTENERS, PH13-8 SS BOLTS, SPLINE DRIVE	22.6
2.3.2.2.2	FASTENERS, PH13-8 SS BOLTS, TORX SET	22.6
2.3.2.3.1	FASTENERS, TI (6-4 ALLOY) BOLTS, SPLINE	24.0
2.3.2.3.2	FASTENERS, TI (6-4 ALLOY) BOLTS, TORX SET	24.0

TITLE I
WPAFB, OH 45433-7801

Company Response Summary
Quarter Code: 0002

Part Number	Part Description	Typical
	Parts With Number of Respondees=	**8**
1.1.2.1.2	ALUMINUM SAND CASTING, COMPLEX	20.9
1.1.2.4	ALUMINUM INVESTMENT CASTING	20.3
1.1.3.1	ALUMINUM EXTRUSIONS, 0-5 DIA. IN.	20.1
1.1.3.2	ALUMINUM EXTRUSIONS, 5-10 DIA. IN.	20.4
1.1.3.3	ALUMINUM EXTRUSIONS, 10-UP DIA. IN.	17.5
1.1.5	ALUMINUM ROD	10.9
1.4.1.1	STEEL (ALLOY) FORGINGS, 000-200 SQ. IN.	24.6
1.4.1.2	STEEL (ALLOY) FORGINGS, 201-800 SQ. IN.	26.0
1.4.1.3	STEEL (ALLOY) FORGINGS, 801- UP SQ. IN.	27.9
1.4.2.4	STEEL (ALLOY) INVESTMENT CASTING	17.5
1.4.4	STEEL (ALLOY) BAR	11.9
1.4.6	STEEL (ALLOY) SHEET	12.0
1.4.7	STEEL (ALLOY) PLATE	12.0
1.7.8	TITANIUM TUBING	24.0
2.1.6	BEARINGS, SPECIAL	27.6
2.3.1.1.1	FASTENERS, 2219 ALUMINUM ALLOY RIVETS,	15.8
2.3.1.1.2	FASTENERS, 2219 ALUMINUM ALLOY RIVETS,	17.0
2.3.1.2.1	FASTENERS, 7050 ALUMINUM ALLOY RIVETS,	14.8
2.3.1.2.2	FASTENERS, 7050 ALUMINUM ALLOY RIVETS,	17.0
2.3.2.1.1	FASTENERS, A 286 SS BOLTS, SPLINE DRIVE	21.9
2.3.2.2.3	FASTENERS, PH13-8 SS BOLTS, SLEEVE	21.5
2.3.2.3.3	FASTENERS, TI (6-4 ALLOY) BOLTS, SLEEVE	22.8
	Parts With Number of Respondees=	**9**
1.1.2.1.1	ALUMINUM SAND CASTING, SIMPLE	16.9
1.1.4	ALUMINUM BAR	10.9
1.1.6	ALUMINUM SHEET	13.6
1.1.7	ALUMINUM PLATE	14.4
1.7.1.1	TITANIUM FORGINGS, 000-100 SQ. IN.	27.2
1.7.1.2	TITANIUM FORGINGS, 101-400 SQ. IN.	30.8
1.7.1.3	TITANIUM FORGINGS, 401- UP SQ. IN.	31.3
2.3.2.1.2	FASTENERS, A 286 SS BOLTS, TORX SET	20.8
2.3.2.1.3	FASTENERS, A 286 SS BOLTS, SLEEVE	21.0
	Parts With Number of Respondees=	**10**
1.1.8	ALUMINUM TUBING	18.8
1.4.8	STEEL (ALLOY) TUBING	14.1