



## CAPABILITY LIST

### RATING B2 - ENGINE

Pratt & Whitney	R985	
Pratt & Whitney	R1340	
Pratt & Whitney	R1830	
Pratt & Whitney	R2000	
Pratt & Whitney	R2800	
Lycoming	O-235,O/IO-320,O/IO-360, O/IO-540, TIO-540	
Continental	A-65/85/90, O-200, O-300, O/IO-360, TSIO-360, O/IO-470, O/IO-520, TSIO-520, GTSIO-520	
De Havilland Gipsy	Gipsy Major Series, Queen II, III & Queen 30 & 70	
Blackburn	Cirrus Minor	
Alvis Leonides	500 Series	
Rolls Royce Armstrong Siddeley	Cheetah Series	Not EASA

### RATING B2 - QEC SHOP

Dove / Devon Engine Mounting QEC	Pre Mod PP222 P/N Port 4-4E1A Stbd 4-4E2A Post Mod PP222 P/N Port 4-4E11A Stbd 4-4E12A	
DC3 & DC6 Engine Mount	5110599(DC3), 5240513(DC6)	
Consolidated PBY-5A Catalina Engine Mount Frame	28B500	
Exhaust System (Collector Ring) (DC3)	5115224	
Dish Pan (Ring Assy) (DC3)	5131580-2/5206006-2/ 5131580-4/5206006-4	
Diaphragm Assy (DC3)	5115656/5115657-1/ 5204649/5204649-1	
Oil Tanks (DC3)	5110511-2 - L/H; 5110511-4 - R/H	
Eaton Aerospace Low & Medium pressure flexible hoses	302A, 303, 306	

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## RATING C5 - ACCESSORIES (Electrical)

Lockheed Electra Landing Light	G-8895-1	
Bosch Ignition Vibrator	VJR24C-1	
Hartman Reverse Current Relay	AN3025-1	
General Electric Tachometer Generator	2CN7AAA1	
Lear Siegler Starter	JHFR3, JH3 & JH6 Series	
Leece Neville/Bendix DC Generator	0-1 & 0-2 (30-E-20)	
Eclipse Pioneer Voltage Regulator	1042-16 and 17 Series. 1589 Series	
Air Ministry Voltage Regulator	Type B2	
Delco Remy DC Generator	0-1 12 Volt & 24 Volt Series	
Delco Remy Starter	1109652 Series	R
Delco Fuel Pump Motor	A4934, A4944, A4947, A4949, A7004, A7005, A7006, A7007, A7008, A7011, A7018, A7025, A7026, A7030, A7031, A7033, A7040, A7045, A7046, A7048, A7516, A7521, A7523, A7524, A7526, A7549, A8347, A8569, A8572, A8576.	
Prestolite Alternator applicable to all Lycoming & Continental Engines on Capability List	As applicable to all Lycoming and Continental engines listed in Capability List	R
Bendix Starter Motor	1416/1546	
Holtz Cabot Inverter	MFG 149F	
Westinghouse DC Generator	P-1	
Bosch Magneto	SF14LU-7	
Scintilla Magneto	SF14LN-3	
Bendix Scintilla Magneto	As applicable to all Lycoming and Continental engines listed in Capability List (Inc. D2000 & D3000 series)	
Unison Slick Magnetos	4200/6200 series, 4300/6300 series, 600 Series	
Starter Generator	Type 300 SG119Q	
Jack & Heinz Tacho Generator	Type H60-103, 32010-000 & 32050-000	
BTH Magnetos	AG4, MCI, SC7-2, CGA/D Series and C9A/B Series	
Rotax Starters	C0257, C0225, C0252 and Y150 Series	
Starter Energiser 24	646275-1	
Starter Prestolite	All types as fitted to Lycoming and Continental engines listed in Capability List	



Rotax Generator (BTH)	HX2/55364, HX2/53791 & 5U3619	
Rotax Generator (BTH)	B1801-B1806 and B1809-B1820	
General Electric Generator	2CM75, 2CM82 & 2CM210 Series	
General Electric Generator Control Unit	3S2781F121CIC	
General Electric Voltage Regulator	3S27958107B1A1	
Rotax regulator & Cut-out unit	F3301	

#### **RATING C6 – ACCESSORIES (Equipment)**

Woodward Propeller Governor	4G8G30M	
Hamilton Standard Counterweight Propeller Governors	1A, 1C, 1E, 1M, 1P, 1Q & 1S Series	
Bendix Priming Solenoid	399273	
Electrical Harness (DC3)	514146(1-)	
Thermo Couple (DC3)	N/A	
Generator & Starter Leads (DC3)	NPN 152	
Magneto Switch Leads (DC3)	2143124	
Fire Circuit (DC3)	5141417	
Pesco Vacuum Pump	3P-211	
Pesco Feathering Pump & Motor	R280/D7310 and 220004 Series	R
Simmonds Fuel Tank Unit	EA154113228-1-2-3-4-5	
Pesco Suction Relief Valve	3V-216B/0/3V-1951/215B	
Eclipse Power Suction Relief Valve	G13/614	
Oil Cooler & Associated Thermostats	AIR4125-11-1 Series & Navaer Series	R
Airborne Dry Air Pumps	441 and 442 Series	
Plessey Vacuum Pumps	B3X Series	
Air compressors	SH6/2A, /5B, /7A, /7B, /7C, /10A, /10C & S50U mk2	

#### **RATING C7 - ACCESSORIES**

Lockheed L188 Electra 2 Speed Gearbox	669369	
Lord Mount	LM204A-SA6,SA15,SA16,SA18,SA28 & MR36	

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**RATING C7 - FUEL SYSTEM DEPARTMENT**

Marvel Schebler Carburettors	As applicable to all Lycoming and Continental engines listed in Capability List	
Bendix Fuel Injectors	As applicable to all Lycoming engines listed in Capability List.	
Bendix Manifold Assemblies Bendix Injector Nozzles	As applicable to all Lycoming engines listed in Capability List	
TCM Fuel Injectors TCM Manifold Assemblies TCM Injector Nozzles	As applicable to all Continental engines list in Capability List	
Claudiel Hobson Carburettors	AI 48 & AI 55	
P & W PT6 Fuel Nozzle Assemblies	3014704, 3014705 and 30197544-1	

**RATING C13 - INSTRUMENT WORKSHOP****VERTICAL SPEED INDICATORS****MAN NO**

<b>VERTICAL SPEED INDICATORS</b>	<b>MAN NO</b>	
Sigma Tek	Model EA 1400 Series	1
Eclipse Pioneer Bendix	AN5825, 1636, 1625, 1634, 1640 & 1644 series	2
United Instruments Inc	7100 Series	2
United Instruments Inc	7000B and 7100B Series	2
Smiths	20RC PC thru 41RC PC	2

## ALTIMETER

United Instruments	TM5934	3/4
Kollsman	Types C-5,C-6,C-7,C-8,C-10,C-11,C-12,C-13, D-6,D-7, D-8,H-1 & H-2	22e
Kollsman	671 CPL-10-031,CPL-10-051 671-CPX-10-31, 671-CPX-10-51	32c
Kollsman	Types C12 & C13	22f
Macleod Instrument Cor	Types 12002, 12003, 12008, 12009, 13502, 13503, 13508 & 13522 Series	32
United Instruments Inc	Type UI-5932 Series	32a
United Instrument Inc	Type UI-5934 Series	32b
United Instrument Inc	Encoding Model 5035	3
United Instrument Inc	Encoding Model 5035PB	3
Smiths	Types 74AM, 74AM/PC, 88AM, 88AM/PC, 89AM/M, 89AM/PC/M, 90AM/M, 90AM/PC/M, 90AM/PC/M/OH, 98AM, 103AM, 110AM/PC, 111AM/PC/M, 114AM/PC, 115AM/PC, A20AM/PC/M/OH, 140AM/PC/M,	38
Negretti & Zambra ( Aviation)	MK28B, MK31, MK28C	

## TRUE AIRSPEED INDICATORS

United Instruments Inc	8000, 8025, 8030, 8040 Series	5
United Instruments Inc	8100, 8125, 8130, 8140 Series	5

## AIRSPEED INDICATORS

Sigma Tek	EA5171 Thru EA5176	5
Pioneer Bendix US Gauge Kollsman	Types B, C, D, E & F	22a
Pioneer Bendix	Type 1426 & 1432 & F Series	31
Smiths	Series 115AS to 243AS/1 inclusive	38
Kollsman	A27745-10 Series (841092-9)	39
Air Ministry	Mk 9 Ref No's 6A/1543, 6A/1616, 6A/422, 6A/1292,6A/585,6A/1294,6A/589,6A/1296, 6A/1271,6A/3146,6A/3147,6A/4399,6A/4720, 6A/4721 & 6A/4722.	31

## WARNING UNITS

Eclipse Pioneer	Fuel, Oil, Vacuum, Water. 3100 – 3146 incl.	17
Bendix	Manifold & Differential 3100A – 3140-1-A incl.	18



## TACHOMETER INDICATORS AND GENERATORS

Bendix	3571260 - 8001 (34108CIAF13-IA3) 3571260 - 8002 (34108CIALIB-IA3) 3571260 - 8003	19a
General Electric	8DJ13, 8DJ19, 8DJ43, 2CM5, 2CM7, 2CM9, 740CK & 751CK series	19b
General Electric	2CM5 & 2CM7 series, AN5531-1 & 2	27
Smiths	56RV to 169RV inclusive, SF/2701, KTD/CPM/1	29b
Air Ministry	Mk 9	38
A A & E Ltd	H60-050, 32010-000 & 32050-000 series	19c
A A & E Ltd	H60-103	19d
Air Ministry	Mk 9 series (mechanical)	19e

## THERMOMETER INDICATORS & THERMOCOUPLE BULBS

Lewis Eng Co	Series 17AT, 47AC, 96AT	28
Lewis Eng Co	Model 162B32A, 147B Series & 163B Series	28d
Weston Electrical Instruments Co	Types A-16, A-18, A-23, A-24, C-8, C-10, C-11, C-12, F-8, F-9, F-10 & A-25	22g
Thomas Edison	200 Series through to 343 Series inclusive	28b

## DUAL THERMOMETER INDICATORS

Thomas A Edison Inc - Electrical Auto-Lite Co	Type AN5795-6	22j
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## CYLINDER HEAD TEMPERATURE INDICATOR

Hickok Electrical Instruments Co	Part No 5812	28a
Smiths	2MV to 425MV inclusive	38
Weston Electronics	Model 635 Series	28a

## THERMOCOUPLE THERMOMETER

Weston Electrical Inkster Co	Type 602 Series	22h
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## RESISTANCE THERMOMETER

Weston Instruments	Model 1122 Type 209	43
Weston Instruments	Model 1122 Type 20	43

### SYNCRO STYLE TRANSMITTERS

US Gauge	Tx. Hydraulic Pressure ST-7N	36
US Gauge	Pressure Tx. Fuel & Oil ST-3G & ST-104D	36a
US Gauge	ST-104E	36b
US Gauge	Freon & Cabin Pres. Tx. ST-5G, ST-5H & ST-109C	36c

### PRESSURE/VACUUM GAUGES

US Gauge, Manning Maxwell & Moore, Electrical Auto-Lite Co	Type AN 1771 Series	22i
US Gauge	Type 5771	23c
US Gauge	Type AN5771T7A	23a
US Gauge	Type AN577117A	23b
Smiths	Types 254PG, 255PG, 256PG, 257PG, 259PG, 272PG, 282PG, 286PG, 287PG, 315PG, 323PG, 323PG/M, 326PG, 329PG, 335PG, 349PG, 350PG, 358PG, 359PG, 362PG, 363PG, 372PG, 381PG, 394PG, 398PG, 401PG, 409PG, 467PG, 410PG, D410PG, 417PG/ , D417PG/ , 457PG, 487PG, 489PG, 490PG, 503PG, 517PG, 524PG, 530PG, 533PG, 625PG, 630PG, 631PG, 632PG, 641PG, 642PG, 651PG, 657PG, 1047PG, 1159PG, 1170PG	38
Smiths	S11, S12, S14, S20, S21, S27	

### DUAL/SINGLE MANIFOLD PRESSURE GAUGES/BOOST GAUGE

Manning Maxwell & Moore Ranco Inc	Type AN5770 Series	22k
Ranco Inc American Meter Co Fee & Stemwedel Marshalltown Manufacturing	Type AN5770 and Dual	22L
Smiths	Series 71BG to 119BG	38
United Instruments Inc	6100, 6200, 6300, 6111, 6112, 6121, 6122, 6211, 6212, 6213, 6221, 6222, 6223, 6224, 6225, 6311, 6312, 6313, 6314, 6315, 6331, 6332, 6333	37a
United Instruments Inc	6120A	37b
United Instruments Inc	6410 Series	37c
Air Ministry	Mk1 and Mk 2	
Smiths	6A/350	
United Instruments Inc.	Fuel Flow Ind. 6210, 6220 & 6300 series	37



### LIQUIDOMETER INDICATOR (FUEL)

The Liquidometer Corp	Type EA-41A, EA-46W, EA-47, EA-47W (47AW), EA-48 (48W) (48AW),EA-49 (49W) & (49AW) and series.	22m
Honeywell	JG131A/20/66/72	41

### FUEL QUANTITY INDICATORS & TRANSMITTERS

The Liquidometer Corp	Type EA Series	24
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### RATE OF CLIMB INDICATOR

United Instruments	Type UI-7000 Series	30
United Instruments	7060	2
Kollsman	Type C-3	30a
Pioneer	Types 1600-A1, 1610-A1, 1601-B1, 1611-A1	30b
Smiths	5RC/PC to 31RC/PC inclusive	38

### STANDBY COMPASS

Smiths Industries Ltd	Types KCA0101W, KCA0101C, KCA0102W, KCA0102C, KCA0104W, KCA0105W & KCA0106W	26a
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### MAGNETIC COMPASS

Kollsman	Type B16	26b
Kollsman	Type 814B	26c
Pioneer	Type B16, B17	26d
Airpath	Type AN5766, CB-2100 and C2300 Series	26e
Smiths	Type KCA-1501 (P12)	38
Air Ministry	P3, P4, P8, P9 & P11	38

## TACHOMETER GENERATOR

General Electric	Type AN5531-1 & AN5531-2	27
General Electric	2CM5, 2CM7, 2CM9 series	19b
Lear Siegler	H60-050, 32010-000, 32050-000	19c
Lear Siegler	H60-103	19d
Smiths	RAF Mk. 9 series	19e
Aircraft Appliances & Equipment Ltd	Model 32005 Series	27a
General Electric	Type CM-5	27
Smiths	Series KGA-01, KGA-02, KGA-03, KGA-04, KGA-06, KGA-09. 34RV/SB, 46RV/SB, 54RV/SB, 59REV/SB, 106RV/SB/KP & 122RV/SB	38
Jack & Heintz	AN5544-3, AN5547-2, H60-000, H60-050, R88G1320-050-000, R88G1335-25	27g
AA & E Ltd.	TG255-001, 002, 003, 004, 005, 006, 007, 008	27b
Jack & Heintz	H60-000, H60-050, AN5544-3 & AN5547-2	27d
AA & E Ltd.	32164 & TG255002 series	27c

## AUTOSYN INDICATOR & TRANSMITTER

Pioneer Bendix	Type A-22, B9, B9A, C-14, C-14A, D-8, D8AE10 & F-7 and series.	24a
US Gauge	Types ST-3G, ST-104D, ST-7N, ST-104E and ST-109C and series.	24a

## SYNCHRO STYLE INDICATORS

Amtek Aerospace	SR-3J, SR-4U, SR-4J, SR-4K, SR-4M, SR-5E, SR-5F, SR-5G, SR-18B, SR-18C	44
U S Gauge	MS28005-1, -2, -3, -4 & -5. F-2A, 3 & 3A N-1 & 1A, Type 1, SRD-7A & 7C, SRD-4A, B & G ST-3E, 9A & 104A, MS28010-1 & CG12202	24 Vol 2

## OIL COOLER POSITION INDICATOR

Amtek Aerospace	SR-4J	44
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## SINGLE/DUAL FUEL PRESSURE GAUGES

Ranco Inc American Meter Co	Types AN5772 Series & C-16	24b
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### AC TACHOMETER INDICATOR & GENERATOR

Weston Electrical Instrument Co	Types 545 Indicator 752 Generator	29
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### TWIN TACHOMETER INDICATOR

Consolidated Instrument Co Inc (General Electrical Type)	Types 63-11 Series	29a
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### ELECTRIC TACHOMETER INDICATOR

Kollsman	A27817-10-001 & 004	42
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### MAGNESYN INDICATORS

Eclipse-Pioneer Bendix	Types 20000,20001,20002,20003,20100,20300,21000,21001,21004,21005,21100,21200,21201,24100,24200,24201 and series.	20
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### MAGNESYN TRANSMITTERS

Eclipse-Pioneer Bendix	Types 22000,22001,22002,22005,22008,22009,22101,22102,22105 and series.	21
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### DESYNN INDICATOR (FLAPS)

Smiths	201FL to 877FL & 8HSD to 49HSD inclusive	38
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### DESYNN POSITION TRANSMITTER (FLAPS)

Smiths	126FL to 839FL/BR inclusive	38
Smiths	821FL, FL2027/P,	

### RATIOMETER

Sangamo Weston	S63	40
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### AIR SHUT-OFF VALVES

Weston	40D805-3	45a
Weston	43030-1	45b
Airesearch Manufacturing Co.	104006 – 104164-1 models SU2-2, -3 & -4 and SVE5-1	45c



## RATING C14 - UNDERCARRIAGES

Lockheed L-188 Electra Main Landing Gear Assembly and Drag Strut	800258, 805798, 805781	
Lockheed L-188 Electra Nose Landing Gear Shock Strut	830444-1	
Lockheed U/C Yoke Assy	804847	
DC3/C47 Landing Gear with Shock Struts	5203619, 65900, 53585 & 5115220	
DH104 Dove Main & Nose Leg	4U67A/3 AND 4.4UN19A/ND	
DH Heron main & Nose undercarriage	14-2 U1, 14-2 U2, 14-2 UN1, 14-2 UN1/1	

## RATING C14 - WHEELS

DC3/C47 Main Wheel and Tyre Assemblies Tail Wheel and Tyre Assemblies	Goodyear 9540547 Bendix 59769, 145416 & 52058	
DC6 Main Wheel and Tyre Assemblies Nose Wheel and Tyre Assemblies	Goodyear 9540484, 9540375 & 9540758	
Lockheed L-188 Electra Main Wheel and Tyre Assemblies Nose Wheel and Tyre Assemblies	B F Goodrich 3-919/-1, 3-1085/-1, 3-921/-1	
ATR 42 Nose Wheel Assembly	ABS 5006858-1 & 5006858-2	
ATR 42 Main Wheel Assembly	ABS 5006858 series	
Twin Pioneer Main & Tail Wheel and Tyre Assemblies	Dunlop AH51805 & AH50388	
Avro Anson Main & Tail Wheel and Tyre Assemblies	Dunlop AH50702 & AH05048	
Cessna 401,402,414 & 421 Wheel Assemblies	9543162	
Cessna 404 Main Wheel	Cleveland 40-4D, 40-40A, 40-40B, 40-40C, 40-75D, 40-102, 40-102A, 40-130, 40-132, 40-135, 40-135A, 40-196, 40-256 & 5002372	
Cessna 406 Main Wheel	5003064	
Jetstream Nose Wheel and Tyre Assembly Jetstream Main Wheel and Tyre Assembly Jetstream Main Wheel and Tyre Assembly	AH 52688 AH 52587, AH 52689, AH 53073, AHA1737 & AHA53073 (Dunlop) 3-1485 (B F Goodrich)	
Shorts 360 Nose Wheel	Cleveland 40-210	
Shorts 360 Main Wheel	Dunlop AHA1236	

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## RATING C14 - BRAKES

Cessna 402, 414 & 421 Brake Assemblies	50000591	
Cessna 406 & 441 Brake Assemblies	5003065 & 5003065-2	
DC3 & DC6 Goodyear / ABS Brake Assembly	9540385, 9540039, 9540504, 9540505, 9560164 & 9560166	
DC3 & C47 Drum Brakes Bendix (Now Allied Signal)	57584, 145770 & 145771	
Twin Pioneer Brake Unit	AH51417	
Lockheed L-188 Electra Brake Assy	2-697 & 2-699	
Lockheed L-188 Electra Brake Assy Shuttle Disconnect Valve	ADEL Division 53495(-1)	
BAe Jetstream 31 Brake Unit	Dunlop AH52588, AH52690, AH53421, AH55020	
Shorts 360 Brake Unit	Dunlop AHA1237 and AHA1501	

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### RATING C16 PROPELLERS

Hamilton Standard	All Hydromatic Series Propellers. P/Nos 23E50, 24D50, 33D50, 33E60, 22D30, 22D40, 43D50, 23EX, 23F60, 24E50, 24E60, 24F60, 43E60, 34E60 & 43H60. 2 Bladed Counterweight & Hydromatic Series.	
Distributor Valve	59397, 59631	
Dehavilland 2 Bladed Bracket Type Propeller	PD/70/212/1 and PD30/211/1	Not EASA
Dehavilland 3 Bladed Bracket Type Propeller	1/1 & 2, 4/1 – 8, 5/1 – 39A, 6/1 - 7	Not EASA
Dehavilland Propeller	PD190/212/1	
Dehavilland Propeller	PD153/313, PD143/312/1 to 7, PD205/323/1 PD237/323/1, D/197/312/1	
McCauley Propellers	Fixed Pitch Metal Variable Pitch & Feathering 2, 3, 4 and 5 Bladed	
Hartzell Propellers	Variable Pitch & Feathering 2, 3 and 4 Bladed	
Sensenich Propellers	Fixed Pitch	
Fairey Reed Propeller	Fixed Pitch Metal Propellers	
Dowty Rotol Propeller	R.30/242/1 & R107/3-20-3/3	Not EASA
Avia Propeller for D028	V508 Series (Static balance i.a.w. installation and Operations Manual)	
MT Propeller	All Electric & hydraulic constant speed propellers	
Fiat	5006	Not EASA
Avia Propeller for YAK II	VISh III.v.20	Not EASA
Vteroid Propeller Manufacturers (Moscow)	V-530TA-D35 (YAK 52)	Not EASA
Huosai Propeller (Nanchang CJ6A Aircraft)	J9-G1	Not EASA
Ratier Propeller	1532-Series Inspection only 2304	Not EASA
DeHavilland Constant Speed Unit	PAY 31200 Series	
DeHavilland Constant Speed Unit	AX and BX Series for bracket type props	
Curtis Wright Electric Propeller	C532D & C5325D (P40 Kittyhawk)	Not EASA
Propeller Dynamic Balancing	i.a.w. Operations Manual CFS/NTA/OM	C of C only

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**RATING D1 - NDT**

Magnetic Particle, Liquid Penetrant	To British and American Aerospace Standards	
H F Eddy Current	To 'Wheels Only' on our Capability List	
H F Eddy Current	To Hartzell Propeller i.a.w. SB61-227 & SB61-269	

**ALL RATINGS - GENERAL**

To carry out troubleshooting/inspections /repairs and rectifications outside the main works.	All outside work is to be within the capability of the Company.	
Aircraft Weighing	All aircraft up to 140,000lbs	