




# F/A-18 CAPABILITIES



	<p><b>Woodward</b> is a manufacturer of control systems and control system components for aircraft engines, industrial engines and turbines, power generation and mobile industrial equipment.</p>
	<p><b>Collins Aerospace</b> excels in avionics, lighting systems, power transmission systems, wheels and brakes, and landing gear systems, which include the main, nose and wing landing gear assemblies.</p>
	<p><b>Triumph</b> specializes in the design, development, certification, manufacture and repair of fuel pumps, fuel metering units, fuel controls, and electronic engine control systems.</p>
	<p><b>Eaton's</b> broad portfolio of hydraulic, fuel, conveyance and actuation products provides a single source for power management.</p>
	<p><b>PacSci EMC</b> products ensure the proper initiation, sequencing, and function of aircraft safety systems including emergency escape, canopy fracturing, fire extinguishing, load release, and countermeasures.</p>
	<p><b>Adams Rite Aerospace</b> has over 80 years experience offering door latching systems, flight controls, door handles, and oxygen tanks, masks, and regulators.</p>
	<p><b>BAE Systems</b> is a leading provider of aircraft countermeasures, multiband radios, seating, and cockpit display systems.</p>
	<p><b>Hartwell</b> is a leader for latches and latching systems including engine cowlings, nacelles, and thrust reversers, as well as interior and exterior access panels, cargo doors, and interior stowage bins.</p>
	<p><b>CIRCOR Aerospace</b> provides highly engineered actuator, brake manifold, valve, gauge, potentiometer and strut systems and are experts in fluidic control, undercarriage components and subsystems.</p>
	<p><b>ColumbusJACK/Regent</b> supplies high-quality hydraulic jacks and lifting systems ensuring safe and efficient lifting, positioning, and maintenance of heavy equipment and structures.</p>
	<p><b>Energys</b> is a prominent enterprise engaged in the manufacturing and distribution of reserve power and motive power batteries, power equipment, and battery accessories.</p>

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# F/A-18 CAPABILITIES



Repair program:

- IPT is responsible for quoting repair & managing all required logistics, including export licenses.
- Woodward performs all repairs using most recent engineering updates and proprietary technology.
- Repair is covered by standard 12-month warranty.
- MTBF is reduced, providing operator with increased aircraft availability.



Contact IPT for a quote on any of the following factory new items:

CAGE	OEM P/N	NOMENCLATURE	NSN
19710	2A3201D	BOARDING LADDER ACTUATOR	1680-01-455-2561
19710	2A3201E	BOARDING LADDER ACTUATOR	1680-01-493-8806
19710	2A4214A	BOARDING LADDER ACTUATOR	1680-01-554-7147
19710	2B4208A	FOCUS DRIVE	3010-01-537-1129
19710	2R4201C, 4B	ECS AUX SCOOP	2915-01-45 4-5088
19710	3B1218D	VALVE POSITION FEEDBACK	5950-01-473-6695
19710	3F1209F	THROTTLE QUADRANT ASSY	1680-01-455-4871
19710	3M3222B	LEADING EDGE FLAP POSITION SENSOR	1560-01-525-8459
19710	716-102000-51	ARRESTING HOOK CONTROL ASSY	1560-01-113-6036
19710	716-102000-61	ARRESTING HOOK CONTROL ASSY	1560-01-335-0370
19710	717-102001-71	LANDING GEAR CONTROL	1680-01-280-9825
81873	22280670-004	SERVOVALVE	1650-01-142-4347
81873	22280680	SERVOVALVE	1650-01-328-0435
81873	22285206-001	SERVOVALVE	1650-01-125-7346
81873	1B48040-501	LATERAL DAMPER	N/A
81873	1D76739-503	VERTICAL DAMPER	1650-01-455-1419
81873	1086450-1	LATERAL DAMPER	3010-01-461-7360
81873	22284090-101, -104	SERVOVALVE	N/A
81873	22284100-101, -104	SERVOVALVE	N/A
81873	41010230-103	AILERON ACTUATOR	1650-01-455-2590
81873	41010260-106	RUDDER ACTUATOR	1650-01-455-2591
81873	34001890-109	AILERON ACTUATOR	1650-01-158-9694
81873	41004360-102	PRESSURE REDUCER	4820-01-151-0838



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# F/A-18 CAPABILITIES



## Collins Aerospace

IPT is the Collins Aerospace (formerly UTC Aerospace) Aircraft power transmission systems F-18 world-wide military stocking distributor. IPT works with the end user to create a customized, needs-based delivery system.

### The goals of both companies are to:

- Help international F/A-18 operators prevent AOG situations while improving budget management.
- Deliver products on time with optimum value.
- Provide customers with a complete customer service package responding to spare requirements in an efficient and expedited manner.



## TURBINE SHAFT - AMAD CONNECTION TO ENGINE

DESCRIPTION	P/N
CONTROL TUBE ASSEMBLY	19E215-10A
PIN AND LINER ASSEMBLY	2493798
ROTOR	2493816
GUIDE, SEAL RETAINING	2493764
ELEMENT, SUB-ASSY, FILTER	2497757
BUSHING, TILT BLOCK	2493729
BUSHING, SLEEVE	2493787
PLATE, INLET PORT	2495132

- P/N 19E215-1A or 1B used on F-18
- P/N 215-8A used on F/A-18 A/B/C/D
- P/N 19E215-10A used on F/A-18 E/F

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THE POWER OF PARTNERSHIP



# F/A-18 CAPABILITIES



Triumph Thermal and Integrated Procurement Technologies have partnered to provide International F/A-18 End Users with superior customer service for the procurement of spares and repair services.

Triumph Thermal Systems (TTS) is a leading global manufacturer & supplier of heat exchange and transfer systems and components for temperature control in fuel, lubrication, hydraulic, environmental, and related systems. They are the industry provider of choice for high-quality thermal management technologies worldwide as a result of our premier support of aerospace, military and other commercial customers since 1929.



## SPARES

Contact IPT for a quote on any of these factory new items:

DESCRIPTION	P/N
HYDRAULIC OIL COOLER	UA539132-2
HYDRAULIC OIL COOLER	UA539132-3
HYDRAULIC OIL COOLER	UA539139-1
HYDRAULIC OIL COOLER	UA537614-4

## REPAIR PROGRAM

- IPT is responsible for quoting repair, and managing all required logistics including export license.
- Triumph Thermal performs all repairs using most recent engineering updates and proprietary technology.
- Repair is covered by standard 12-month warranty.
- MTBF is reduced providing operator w/ increased aircraft availability

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# F/A-18 CAPABILITIES



The MA-2 Nozzle is mounted at the end of the receiver aircraft probe mast and when connected to the tanker aircraft MA-2, MA-3, MA-4 or MA-5 Coupling, it allows fuel to flow from the tanker to the receiver. The nozzle has a flexible tip that allows for off-center disconnects up to 22-1/2 degrees without damage.



**P/N: 60318-2B**  
**NSN: 1680-01-114-8524**  
**MILITARY STANDARD MS24356 (ASG)**

## BASIC OPERATING PARAMETERS & CHARACTERISTICS

<b>Compatible with the fluids conforming to the following specifications:</b>	(a) MIL-J-5161 (b) MIL-G-5572 (c) MIL-T-5624 (d) P-D-680 (e) TT-S-735, types I and III (f) MIL-F-7024, types II
<b>Weight:</b>	Approximately 4.5 pounds
<b>Temperatures:</b>	Ambient: -67°F to 350°F Fluid: -67°F to 200°F
<b>Pressures:</b>	Proof: 240 PSIG Burst: 360 PSIGt
<b>Pressure Drop:</b>	8 PSID maximum at 600 GPM with Jet A at 60°F when measured directly upstream of the nozzle, at the couplings latch port, and 10 diameters downstream of the bullet
<b>Normal Operating Loads:</b>	(a) A 1,000-pound tensile load in combination with a 3,000-pound radial load (b) A 1,000-pound compression load with a 3,000-pound radial load (c) A 2,000-pound tensile load (d) A 2,000-pound compression load
<b>Platforms:</b>	F-35, F-18, F-5, MiG-29, SU-30, Eurofighter Typhoon, SU-27, Rafale, Gripen, Mirage 2000, F-4, Mirage F1, MiG-31, SU-35, J-20 and MiG-25
<b>Additional Comments / Unique Features</b>	<ul style="list-style-type: none"> <li>• Qualified to MIL-N-25161C Type 2, Class B.</li> <li>• Conforms to MS24356-1.</li> <li>• In accordance with MIL-A-19736.</li> <li>• Compatible with all MA-3 and MA-4 Couplings</li> </ul>



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# F/A-18 CAPABILITIES



PSEMC P/N	DESCRIPTION	NSN
2-103020-1	FIREX, JL42	1377-01-502-2107
2-103020-2	FIREX, JL43	1377-01-502-2119
2-103020-3	FIREX, JL44	1377-01-502-2129

**FIRE EX CARTRIDGES**



**SHIELDED MILD DETONATING CORD (SMDC)**



**SMDC/GAS INITIATOR**



**GAS/SMDC INITIATOR**



**TIME DELAY INITIATORS**



**3-MODE SELECTOR**



PSEMC P/N	DESCRIPTION	NSN
820773 SERIES	SMDC LINE SET #16	1377-01-361-2350
820773 SERIES	SMDC LINE SET #17	1377-01-361-2351
820773 SERIES	SMDC LINE SET #18	1377-01-361-2352
820773 SERIES	SMDC LINE SET #21	1377-01-361-2355
820773 SERIES	SMDC LINE SET #22	1377-01-361-2356
820773 SERIES	SMDC LINE SET #23	1377-01-361-2357
820773 SERIES	SMDC LINE SET #24	1377-01-361-0222
820773 SERIES	SMDC LINE SET #25	1377-01-361-0226
820773 SERIES	SMDC LINE SET #26	1377-01-361-0225
820773 SERIES	SMDC LINE SET	1377-01-459-8305
820773 SERIES	SMDC LINE SET	1377-01-361-0223
820773 SERIES	SMDC LINE SET	1377-01-513-2481
820773 SERIES	SMDC LINE SET	1377-01-459-8301
820773-103	SMDC LINE	1377-01-125-8039
820773-105	SMDC LINE	1377-01-125-8040
820773-107	SMDC LINE	1377-01-125-8041

PSEMC P/N	DESCRIPTION	NSN
820773-109	SMDC LINE	1377-01-125-8042
820773-111	SMDC LINE	1377-01-125-8043
820773-113	SMDC LINE	1377-01-125-8044
820773-117	SMDC LINE	1377-01-125-8046
820773-119	SMDC LINE	1377-01-125-8047
820773-121	SMDC LINE	1377-01-125-8048
820773-127	SMDC LINE	1377-01-125-8050
820773-131	SMDC LINE	1377-01-125-8051
820773-135	SMDC LINE	1377-01-125-8052
820773-137	SMDC LINE	1377-01-125-8053
820773-141	SMDC LINE	1377-01-125-3063
820773-143	SMDC LINE	1377-01-125-3064
820773-151	SMDC LINE	1377-01-125-8054
820773-153	SMDC LINE	1377-01-125-8055
820773-155	SMDC LINE	1377-01-125-8056
820773-157	SMDC LINE	1377-01-125-8057

PSEMC P/N	DESCRIPTION	NSN
820773-165	SMDC LINE	1377-01-125-3065
820773-167	SMDC LINE	1377-01-125-8058
820773-183	SMDC LINE	1377-01-136-7861
820773-189	SMDC LINE	1377-01-125-3066
820773-195	SMDC LINE	1377-01-125-8060
820773-201	SMDC LINE	1377-01-125-8062
820773-203	SMDC LINE	1377-01-125-8063
820773-213	SMDC LINE	1377-01-125-3068
820773-217	SMDC LINE	1377-01-125-3069
820773-223	SMDC LINE	1377-01-125-3070
820773-225	SMDC LINE	1377-01-125-3071
820773-227	SMDC LINE	1377-01-125-3072
820773-229	SMDC LINE	1377-01-125-3073
820773-231	SMDC LINE	1377-01-125-3074
820773-233	SMDC LINE	1377-01-125-3075
820773-235	SMDC LINE	1377-01-136-7862

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PSEMC P/N	DESCRIPTION	NSN
820773-237	SMDC LINE	1377-01-125-3076
820773-245	SMDC LINE	1377-01-125-8064
820773-249	SMDC LINE	1377-01-125-8065
820773-251	SMDC LINE	1377-01-125-8066
820773-253	SMDC LINE	1377-01-125-8067
820773-255	SMDC LINE	1377-01-125-8068
820773-257	SMDC LINE	1377-01-125-8069
820773-259	SMDC LINE	1377-01-125-8070
820773-261	SMDC LINE	1377-01-125-8071
820773-265	SMDC LINE	1377-01-125-8072
820773-271	SMDC LINE	1377-01-125-8073
820773-273	SMDC LINE	1377-01-125-8077
820773-275	SMDC LINE	1377-01-125-8074
820773-277	SMDC LINE	1377-01-125-3078
820773-279	SMDC LINE	1377-01-125-3079
820773-281	SMDC LINE	1377-01-125-3080
820773-283	SMDC LINE	1377-01-125-3081
820773-285	SMDC LINE	1377-01-125-3082
820773-289	SMDC LINE	1377-01-125-8075
820773-291	SMDC LINE	1377-01-125-8076
820773-293	SMDC LINE	1377-01-152-2309
820773-295	SMDC LINE	1377-01-269-6489
820773-299	SMDC LINE	1377-01-269-6430
820773-301	SMDC LINE	1377-01-269-6491
820773-303	SMDC LINE	1377-01-269-6492
820773-305	SMDC LINE	1377-01-269-6493
820773-307	SMDC LINE	1377-01-269-6494
820773-309	SMDC LINE	1377-01-269-6495
820773-311	SMDC LINE	1377-01-355-1277
820773-313	SMDC LINE	1377-01-355-1278
820773-315	SMDC LINE	1377-01-355-1279
820773-317	SMDC LINE	1377-01-355-1280

PSEMC P/N	DESCRIPTION	NSN
820773-319	SMDC LINE	1377-01-355-1274
820773-321	SMDC LINE	1377-01-355-1275
820773-323	SMDC LINE	1377-01-355-1276
820773-367	SMDC LINE	1377-01-329-1299
820773-369	SMDC LINE	1377-01-392-4941
820773-371	SMDC LINE	1377-01-392-4940
820773-373	SMDC LINE	1377-01-329-4221
820773-375	SMDC LINE	1377-01-329-1300
820773-377	SMDC LINE	1377-01-329-4222
820773-379	SMDC LINE	1377-01-329-4223
820773-381	SMDC LINE	1377-01-329-3677
820773-383	SMDC LINE	1377-01-329-5442
820773-385	SMDC LINE	1377-01-327-5443
820773-387	SMDC LINE	1377-01-329-4224
820773-389	SMDC LINE	1377-01-329-4225
820773-391	SMDC LINE	1377-01-355-1281
820773-395	SMDC LINE	1377-01-355-1282
820773-397	SMDC LINE	1377-01-355-1283
820773-401	SMDC LINE	1377-01-355-1284
820773-403	SMDC LINE	1377-01-355-1285
820773-405	SMDC LINE	1377-01-431-0577
820773-407	SMDC LINE	1377-01-431-0581
820773-409	SMDC LINE	1377-01-431-0583
820773-411	SMDC LINE	1377-01-513-9710
820773-413	SMDC LINE	1377-01-514-2429
820773-415	SMDC LINE	1377-01-514-2433
820773-417	SMDC LINE	1377-01-514-2438
820773-419	SMDC LINE	1377-01-514-2441
820773-421	SMDC LINE	1377-01-514-2877
820773-423	SMDC LINE	1377-01-514-2901
820773-425	SMDC LINE	1377-01-514-2910
820773-427	SMDC LINE	1377-01-514-2913

PSEMC P/N	DESCRIPTION	NSN
820773-429	SMDC LINE	1377-01-514-4029
820773-431	SMDC LINE	1377-01-514-4041
820773-433	SMDC LINE	1377-01-514-4044
820773-435	SMDC LINE	1377-01-514-4048
820773-437	SMDC LINE	1377-01-514-4050
820773-439	SMDC LINE	1377-01-514-4051
820773-441	SMDC LINE	1377-01-514-4053
820773-443	SMDC LINE	1377-01-514-4056
820773-445	SMDC LINE	1377-01-514-4058
820773-447	SMDC LINE	1377-01-514-4064
820773-449	SMDC LINE	1377-01-514-4067
820773-451	SMDC LINE	1377-01-514-4068
822702-3	INITIATOR, SMDC-GAS, EXPLOSIVE ACTUATED, JAU29/A	1377-01-133-4084
826852-02	CARTRIDGE ACTUATED INITIATOR, TIME DELAY - 0.30 SEC, CARTRIDGE ACTUATED INIT, JAU-76/A	1377-01-492-6460
826852-04	TIME DELAY, 0.75 SEC, CARTRIDGE ACTUATED INIT, JAU-77/A	1377-01-492-6470
827185-105	TIME DELAY - 0.30 SEC (SMDC), JAU-24/A	1377-01-116-3148
827185-107	TIME DELAY - 0.40 SEC (SMDC), JAU-23/A	1377-01-116-3147
820833-04	3-MODE SELECTOR, CONTROL, EXPLOSIVE SEQUENCE, DCU-241/A	1377-01-114-2037

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# F/A-18 CAPABILITIES



*Adams Rite Aerospace*

P/N	DESCRIPTION	NSN
40004-3	SWITCH, PUSH	5930-01-420-9755
904-002-786	HOUSING ASSEMBLY, AI	1660-01-428-8889
909-010-074	PARTS KIT, BODY	1660-00-385-2847
520-900-006	FILTER ELEMENT, FLUID	1660-00-239-6520
585-900-036	VALVE, SAFETY RE	4820-01-198-3666
585-900-061	VALVE ASSEMBLY	4820-01-198-3692
900-002-401	PANEL ASSEMBLY CONT	
904-002-772	VALVE, REGULATING, FLUID PRESSURE	4820-01-262-8197
904-002-792	SEAT, AIRCRAFT	1680-01-262-8192
904-002-795	ANEROID ASSY	1650-01-262-8163
904-002-852	COVER ASSY	1660-00-385-2875

P/N	DESCRIPTION	NSN
904-002-876	SCREW ASSEMBLY	5305-01-262-8200
904-002-987	PADDLE ASSEMBLY, PILOT VALVE	5915-01-232-4788
909-010-072	PARTS KIT, BODY	1660-00-385-2848
909-010-075	PARTS KIT, VALVE	
909-010-076	PARTS KIT, VALVE	4810-00-385-2860
909-010-077	PARTS KIT, BODY	1660-00-385-2861
909-010-078	PARTS KIT, VALVE	1660-00-385-2864
909-010-079	PARTS KIT, BODY	1660-00-395-1435
909-010-082	PARTS KIT, VALVE	4810-00-385-2867
9932-3	SWITCH,SENSITIVE	5930-01-148-4722
9932-5	SWITCH,SENSITIVE	5930-01-419-1482
909-010-073	PARTS KIT, ELASTOMER	1660-00-385-2846

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THE POWER OF PARTNERSHIP



# BAE SYSTEMS LOW PROFILE FLOTATION COLLAR (LPFC)

## BAE SYSTEMS

BAE Systems' Life Preserver Unit (LPU) series of collars are the most advanced flotation collars manufactured today. Engineered for dependability and reliability, the LPUs have a proven performance history.

### KEY FEATURES

- Lower profile and greater mobility compared to other systems
- Modular components
- Easily adaptable to various missions and applications



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**MONICA SEMPERLOTTI**  
BUSINESS DEVELOPMENT DIRECTOR  
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**INTEGRATED PROCUREMENT TECHNOLOGIES**  
7230 HOLLISTER AVENUE  
GOLETA, CA 93117 USA  
P. 805 682 0842 F. 805 682 9434



	LPU 33/P	LPU 34/P	LPU 36A/P	LPU 37A/P	LPU 38/P	LPFT3H
P/N- Packed	-	0103100-3	-	0111100-3	-	0101100-1
P/N- Kit	0102200-1 <sup>1</sup>	0103200-3	0110200-1	0111200-3	0115200-1 <sup>2</sup>	0101200-1
NSN- Kit	-	4220-01-483-4390	4220-01-483-9381	4220-01-520-8058	4220-01-510-8555	-
Inflator	Automatic	Manual	Automatic	Manual	Automatic	Manual
Color Options	Green, Black, Tan	Green, Black, Tan	Green, Black, Tan	Green, Black, Tan	Green, Black, Tan	Green, Black, Tan
Qualification	U.S. Navy	U.S. Navy	U.S. Navy	U.S. Navy	U.S. Air Force	U.S. Army
Notes	Optional: leg straps (P/N 0103260-1) or waist harness (P/N 0101263-1/-3)	Optional: leg straps (P/N 0103260-1) or waist harness (P/N 0101263-1/-3)	Optional: leg straps (P/N 0103260-1) or waist harness (P/N 0101263-1/-3) Trainer system also available.	Optional: leg straps (P/N 0103260-1) or waist harness (P/N 0101263-1/-3)	Integrates with PCU-15/16 flight harness	Optional: leg straps (P/N 0103260-1) or waist harness (P/N 0101263-1/-3)

1. LPU 33/P and LPU 36A/P kits do not include FLU-8B/P automatic inflation device

2. LPU 38/P kit does not include FLU-9B/P automatic inflation device or CO<sub>2</sub> cylinders

## FEATURES

- LOWER PROFILE AND SUPERIOR COMFORT OVER COMPARIBLE SYSTEMS
- INCREASED NECK SIZE FOR GREATER MOBILITY
- CONSTRUCTION EXTENDS REPACK AND LOWERS INSPECTION CYCLE
- REDUNDANT FLOTATION CELLS ORIENT WEARER FACE-UP IN WATER (AUTO-ROTATION)
- BUOYANCY CELL DESIGN SUPPORTS 67 LB (30 KG) OF STEEL
- MODULAR COMPONENTS REDUCE SPARES COSTS
- ADAPTS TO EXISTING VESTS AND RECOVERY PARACHUTE HARNESSSES
- USES IN-SERVICE, WATER-SENSING AUTO-INFLATORS\*
- MANUAL INFLATOR ENABLES USER EGRESS BEFORE DEPLOYMENT

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The AN/ARC-164 standard avionics radio provides the DoD and NATO standard anti-jam UHF voice communications in support of modern military operations.

- 10 watts AM; 25 KHz channel spacing
- Have Quick II ECCM
- Line-of-sight voice
- 2,000 hours demonstrated mean-time-between-failures (MTBF)
- COMSEC/secure speech compatible
- ANVIS Green A front panel lighting and electronic fill port
- Form, fit, function replacement for obsolete UHF radios
- Upgradeable in the field



CONFIGURATION	WIDTH (in)	HEIGHT (in)	DEPTH (in)	WEIGHT (lb)
RT-1504	4.98	4.730	8.32	8.84
RT-1505A	5.75	4.875	8.85	9.25
RT-1518C	5.75	4.875	8.85	9.25
RT-1614*	4.98	4.730	9.11	9.75
C-11718	5.75	4.875	5.44	4.32
MXF-243	5.74	2.980	5.45	3.00

MOUNTING CONFIGURATION	RT-1505A Panel	RT-1518C Panel	RT-1504 Remote	RT-1614 Remote
FREQUENCY RANGE	225.000 to 399.975 MHz			
NO. OF CHANNELS	UHF 7000 (including 20 preset and 1 Guard channel available from panel mount RT and the radio set control).			
MODULATION TYPE	AM			
PRIMARY POWER	R/T Receiver: 35 watts to 16 watts typical Transmitter: 110 watts to 85 watts typical at 24 to 33 Vdc			
CONTROL BOXES	20 watts at 24 to 33 Vdc			
CHANNEL TIME CHANGE	0.25 second maximum in normal mode			
AGC	+5, -4 dB from 4 $\mu$ V to 0.5V (all receivers) (1 mV ref)			
SQUELCH	ADJUSTMENT RANGE 0 to 4 $\mu$ V minimum			
	HYSTERESIS 2 to 8 dB			
	ATTACK TIME 50 milliseconds maximum			
SELECTIVITY	Narrowband	Wideband		
6 dB	$\pm$ 12 kHz minimum	$\pm$ 35 kHz minimum		
40 dB	$\pm$ 25 kHz maximum			
60 dB		$\pm$ 75 kHz		
AUDIO OUTPUT POWER LEVEL	Normal 200mW Min (Adj)	Wideband		
VOLTAGE LEVEL		2.0 Vrms min		
LOAD IMPEDANCE	150 ohms	500 ohms		
RESPONSE	+1, -3 dB (300 to 3500 Hz)	+3, -5 dB (70 to 25 kHz)		
DISTORTION AT 50% MOD	10% maximum			
VOLTAGE LEVEL	35 dB	No squelch		
VOLTAGE LEVEL	37 dB	Not controlled		

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**THE POWER OF PARTNERSHIP**



# F/A-18 CAPABILITIES



Hartwell is the industry's first choice in the design and manufacture of quick access latching systems for aircraft and the first company that aircraft engineers call on for design assistance on all new latching applications.

Hartwell Corporation (83104) and Integrated Procurement Technologies have entered into an agreement to support military customer needs worldwide. This proactive partnership enables us to provide optimized solutions for high performance components to military operators around the world.

P/N	DESCRIPTION	NSN	P/N	DESCRIPTION	NSN
H2422-4	CATCH,FLUSH	5340-01-326-1366	H601P100C172	CATCH,FLUSH	5340-01-249-0630
H2422-5	CATCH,FLUSH	5340-01-332-7610	H601P125C250	CATCH,FLUSH	5340-01-136-8388
H2952-11-125	LATCH ASSEMBLY,AIRCRAFT	1560-01-481-9380	H601P160C185	CATCH,FLUSH	5340-01-111-9881
H2952-5-125	LATCH ASSEMBLY,AIRCRAFT	1560-01-469-1431	H620-7S180G	CATCH,FLUSH	5340-01-359-3595
H2953-1-102-218			H620K2192	CATCH,FLUSH	5340-01-215-2855
H3177-1-051-405			H7215AF	CATCH,FLUSH	5340-00-364-9562
H3198-3			HA1014-1	HINGE,DOOR,AIRCRAFT	1560-01-476-1326
H3819K3870	LATCH ASSEMBLY,AIRCRAFT	1560-01-476-1333	HA1015-1	HINGE,AIRCRAFT	1560-01-512-6534
H3819K3924	LATCH ASSEMBLY,AIRCRAFT	1560-01-476-1333	HA1016-1	HINGE,AIRCRAFT	1560-01-511-6991
H3819K3925	LATCH ASSEMBLY,AIRCRAFT	1560-01-512-1667	HA1017-1	HINGE,AIRCRAFT	1560-01-511-6987
H601P040C081	CATCH,FLUSH	5340-01-111-9879	HA157-17K4062		
H601P071C252	CATCH,FLUSH	5340-00-354-6035	HA157-18K4062		
H601P071C352	CATCH,FLUSH	5340-01-121-8793	HA603-5		
H601P071C377	CATCH,FLUSH	5340-01-142-1791	HA603-6	HINGE GOOSENECK ASSY	

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# F/A-18 CAPABILITIES



Circor Aerospace and Integrated Procurement Technologies have partnered to provide international F/A-18 End Users with superior customer service for the procurement of spares and repair services.

Circor Aerospace was created in 2008, merging legacy brands Circle Seal Controls, Loud Engineering and Manufacturing and Aerodyne Controls.

P/N	DESCRIPTION	NSN
74A695201-1009	SPEED BRAKE ACTUATOR	1650-01-170-7915
74A411580-1003	SWIVEL JOINT ASSEMBLY	1650-01-251-7122
5161L00-1	SEAT POTENTIOMETER	2915-01-486-9883
5146L00-1	SEAT POTENTIOMETER	1680-01-483-9729
SV99-193-1	SOL-COOLING AIR VALVE	4810-01-452-4889
GP12-109	PRESSURE DIAL GAUGE	6685-01-455-3704
GP12-114	PRESSURE DIAL GAUGE	1710-01-476-6984
GP12-115	PRESSURE DIAL GAUGE	1710-01-476-6989
HV50-71	SHUTOFF VALVE	4820-01-509-8716
CV99-127-16	CHECK VALVE	4820-01-334-2982
CV99-158-16	CHECK VALVE	4820-01-362-4123
CV99-158-20	CHECK VALVE	4820-01-361-4005
CV99-158-24	CHECK VALVE	4820-01-116-4004
74A410576-1004	CONNECTING LINK	3040-01-116-1606
74A451005-1003	SWIVEL JOINT ASSY	4730-01-146-0201

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# F/A-18 CAPABILITIES



**Columbus Jack**  
A TRONAIR COMPANY

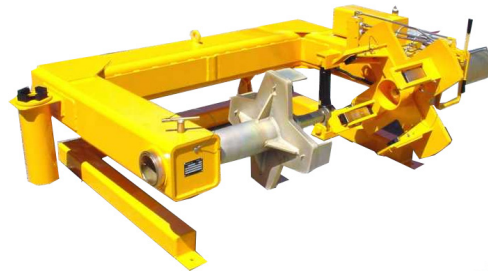
## VARIABLE HEIGHT TRIPOD JACK

MODEL 50J25178, 10 TON CAPACITY  
NSN: 1730-00-516-2019



## HAND CARRY AXLE JACK

MODEL CJ67D0250-1, 15 TON CAPACITY  
NSN: 1730-00-854-2237



## AIRCRAFT TIRE BEAD BREAKER

MODEL 7094-010, 25,000LB CAPACITY  
NSN: 4910-01-305-7271

## ENGINE TRANSPORTATION TRAILER

MODEL 5380-010, 8,000 LB CAPACITY  
NSN: 1740-00-061-3039



## PORTABLE FLOOR CRANE

MODEL 9319-010, 1,500 LB CAPACITY  
NSN: 3950-01-371-9144



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# F/A-18 CAPABILITIES



APPLICATION	SPECIFICATION	P/N	NSN	CAPACITY (C1)	L X W X H (INCHES)	WEIGHT (LBS.)
 F/A-18 HORNET	MIL 8565/4-1	0774-3005	6140-01-131-8104	7.5 AH	6.7 X 11.6 X 5.8	26.0
 F/A-18 HORNET E/F	MIL D8565/14-1	F0791-8010	6140-01-420-8988	15 AH	13.9 X 7.1 X 6.5	41.2

## THE HAWKER ADVANTAGE

- All batteries are dispatched from the manufacturer's factory fully charged.
- Inspection free storage life of 2 years when stored at or under 25°C (77°F).
- Completely sealed and virtually maintenance-free.
- Fully supports aerobatic operations.
- Long life, pure lead grids.
- Recovers from deep discharge.
- Vents and thermal sensors not required.
- Easy commissioning, normally consisting of only a voltage check.
- US D.O.T. Regulation 49 C.F.R. Section 173.159 para d.
- Classified as non-hazardous and unrestricted for transportation when correctly packed.

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