

THE POWER OF PARTNERSHIP

P-3 CAPABILITIES

WOODWARD	**Woodward** is a manufacturer of control systems and control system components for aircraft engines, industrial engines and turbines, power generation and mobile industrial equipment.
Collins Aerospace	**Collins Aerospace** 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.
SPARTON	**Sparton** is the world leader in the design, development, testing and production of complex maritime electronic systems, including sonobuoys in support of Anti-Submarine Warfare (ASW) and maritime capabilities supporting Undersea Warfare (USW).
PALOMAR	**Palomar Products** offers highly reliable secure intercommunications systems and aircraft audio management systems for airborne and naval military applications to the world's armed forces.
BAE SYSTEMS	**BAE Systems** is a leading provider of aircraft countermeasures, multiband radios, seating, and cockpit display systems.
AEROFLUIDPRODUCTS	**Aero Fluid Products** offers a variety of valves including hydraulic, engine, pneumatic, bleed air, anti-ice, pressure regulating, and fuel along with cabin pressure controls and electromechanical and linear actuators.
Whippany Actuation Systems	**Whippany Actuation Systems** serves the aerospace and defense industries by designing, manufacturing, and servicing custom electromechanical actuation solutions for commercial and military applications.
HARTWELL	**Hartwell** 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.
Columbus Jack A TRONAIR COMPANY	**ColumbusJACK/Regent** supplies high-quality hydraulic jacks and lifting systems ensuring safe and efficient lifting, positioning, and maintenance of heavy equipment and structures.
TIMKEN	**Timken** engineered bearings include tapered, spherical, cylindrical, thrust, ball, plain, miniature, precision, and housed unit bearings that deliver strong performance, consistently and reliably.

CARLOS DIAZ
BD MANAGER
CANADA & LATAM
carlos@iptsb.com

NGEE SING LOH
BD DIRECTOR
ASIA/PAC
nsloh@iptsb.com

MARC VAN SPRANG
BD MANAGER
EMEA
marc@iptsb.com

AYOUP JARRAI
BD MANAGER
EMEA
ayoup@iptsb.com

HAIDER LONE
SR. BD MANAGER
EMEA
haider.lone@iptsb.com

INTEGRATED PROCUREMENT TECHNOLOGIES
7230 HOLLISTER AVENUE
GOLETA, CA 93117 USA
P. 805 682 0842 F. 805 682 9434

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P-3 CAPABILITIES

WOODWARD

SERVOVALVE

P/N 22253742
NSN 1650-01-334-3030



CARLOS DIAZ
BD MANAGER
CANADA & LATAM
carlos@iptsb.com

NGEE SING LOH
BD DIRECTOR
ASIA/PAC
nsloh@iptsb.com

MARC VAN SPRANG
BD MANAGER
EMEA
marc@iptsb.com

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ayoup@iptsb.com

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EMEA
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P-3 CAPABILITIES

Collins Aerospace

CABIN EXHAUST FAN, VANEAXIAL

P/N 500702-3613
NSN 4140-00-241-0065



CARLOS DIAZ
BD MANAGER
CANADA & LATAM
carlos@iptsb.com

NGEE SING LOH
BD DIRECTOR
ASIA/PAC
nsloh@iptsb.com

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BD MANAGER
EMEA
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BD MANAGER
EMEA
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EMEA
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SPARTON

Sonobuoys are integral to the detection, localization, identification, and tracking of potential hostile submarines or other targets of interest. Sonobuoys provide underwater signaling, bathythermography, deployable active acoustical signal cources ('pinger') and passive receivers of underwater signals of interest.



PART NUMBER	DESCRIPTION	NSN
AN/SSQ-125	SONOBUOY	5845-01-590-4351
AN/SSQ-101B	ADAR SONOBUOY	5845-01-629-8534
AN/SSQ-53G	DIFAR SONOBUOY (GPS)	5845-01-663-0428
AN/SSQ-62F	DICASS SONOBUOY (GPS)	5845-01-664-7345
AN/SSQ-36B	BTS SONOBUOY	6655-01-475-9479
MK 84 MOD 1	SIGNAL UNDERWATER SONOBUOY	1360-01-037-0588

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BD MANAGER
CANADA & LATAM
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EMEA
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EMEA
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EMEA
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P-3 CAPABILITIES

PALOMAR

The Communications Control Unit (CCU) networks and controls the links between communication assets and crew members. The CCU is a modular, microprocessor controlled, TEMPEST qualified secure unit that is integrated into the communications suite to provide the necessary control and switching of all internal and external, clear and secure voice and data lines by the crew members.





PART NUMBERS:

1158100-XXX
1161160-XXX
1170100-XXX
1171100-XXX
1172100-XXX

DEPENDABLE TECHNOLOGY

- Simultaneous clear and secure transmissions
- Greater than 120dB crosstalk isolation
- EMP/lightning hardened
- Voice and data switching with binaural audio
- Wideband audio
- Radio and crypto control
- Crypto/modem switching
- Both redundant and emergency backup operations
- Recorder control/playback
- Lightweight, low power consumption
- Convection cooled, no forced air required
- High reliability and low mean time to repair (MTTR)
- Built-in test
- Alarm generation
- Radio relay (clear and secure)

COMPATIBILITY AND INTERFACES

- Standard interfaces: MIL-STD-1553, RS-422 (Ethernet optional)
- Night-vision compatible
- Compatible/daylight readable
- Compatibility with all standard headsets and microphones
- Multi-headset interface at each position

CERTIFIED TOUGH & SECURE

- TEMPEST qualified to NSTISSAM TEMPEST/1-92 Level 1 and NACSIM 5100
- NSTISSAM / TEMPEST 2-95

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CANADA & LATAM
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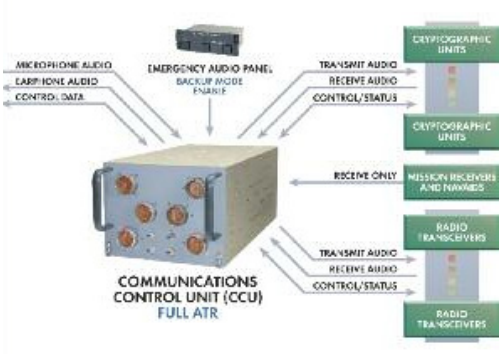
PALOMAR

COMMUNICATIONS CONTROL UNIT (CCU) PERFORMANCE CHARACTERISTICS

Start-up Time (typical):	2 Seconds
Radio Receiver Levels:	0 to +24dBm
Radio Transmit Levels:	0 dBm ±3dB
Microphone Input:	0.045 mV nominal (low level) 500 mV nominal (high level)
Headphone Output:	Up to 1 watt into an 8 ohm load (mono or binaural)
Crosstalk Isolation:	Greater than 120 dB
Audio Quality:	<5% harmonic distortion <0.5 mV rms noise >5 kHz bandwidth transmit 18 kHz bandwidth receive
Speech Intelligibility:	91% during peak ambient noise conditions
Electrical Power:	28 V per MIL-STD-704
Environmental:	Designed to MIL-E-5400T Tested to MIL-STD-810C
EMI/EMC:	mil-std-461
TEMPEST:	NSTISSAM TEMPEST/1-92 Level 1 and NACSIM 5100A
Reliability (typical for P-3C Program)	Predicted series MTBF: >3300 hours at 35°C
Maintainability:	MTTR of 0.25 hour Extensive built-in-test

TYPICAL SYSTEM ARCHITECTURE

Palomar Products provides flexible, secure Intercommunication Systems (ICS) with full military qualified non-developmental item hardware. The TEMPEST compliant integrated systems include high quality audio, secure and clear communications, crypto and data modem switching, radio control, radio relay, MIL-STD-1553B interface, microprocessor controlled flexibility, redundancy and a current design for logistics support.



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BAE SYSTEMS

The ALE-47 Airborne Countermeasures Dispenser System identifies and defeats infrared and radio frequency missiles.

The ALE-47 system uses information from integrated electronic warfare sensors such as radar warning receivers and missile warning receivers to determine the correct response to defeat infrared and radio frequency guided missiles. The cockpit crew has complete control of their threat situation by choosing to operate in any of the four modes: automatic, semiautomatic, manual, and bypass.

BENEFITS

- Combat proven
- More than 3,000 systems installed
- Operating in 30 countries
- Integrates with EW sensors
- Interchangeable with obsolete ALE-40/ALE-39 and M-130 systems
- Uses U.S. and NATO standard and new RF and infrared decoys
- Glass cockpit compatible



COCKPIT DISPLAY UNIT



PROGRAMMER



DISPENSER ASSEMBLY



MAGAZINE ASSEMBLY

PART NUMBER	DESCRIPTION	NSN
179720-0001	SWITCH, SAFETY	5930-01-333-2196
179750-0001	DISPENSER	5865-01-334-8349
179740-0002	COCKPIT DISPLAY UNIT	5865-01-380-8046
179730-0005	PROGRAMMER	5865-01-437-3371
179730-0006	PROGRAMMER	5865-01-437-3373
179250-0003	SEQUENCER	5865-01-451-2868
179250-0012	SEQUENCER	5865-01-527-2187



SAFETY SWITCH

CARLOS DIAZ
BD MANAGER
CANADA & LATAM
carlos@iptsb.com

NGEE SING LOH
BD DIRECTOR
ASIA/PAC
nsloh@iptsb.com

MARC VAN SPRANG
BD MANAGER
EMEA
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BD MANAGER
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BAE SYSTEMS

ALE-47 SUPPORT EQUIPMENT

Countermeasures Dispensing Test Sets (CDTS)

- P/N 188100-7001
- Safety requirement for operational use
  - Stray Voltage Testing
- End-to-End System Testing
  - Suitable for Engineering Lab, System Integration Lab, System Troubleshooting, and Flight Line use



CDTS



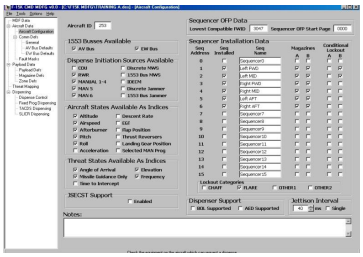
MLV

Memory Load Verifier (MLV)

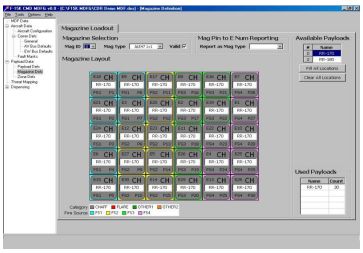
- Loads/Verifies ALE-47 Programmer Software
  - Mission Data File (MDF)
  - Operational Flight Program (OFP)
- MIL-STD-1553 Interface
- Hosted on a Ruggedized COTS computer
  - Suitable for Flightline Use
- Can be combined with TMG on single computer

Threat Matrix Generator (TMG)

- COTS computer configured with BAE Systems proprietary software
- Create and edit Mission Data Files (MDFs) for the ALE-47 Programmer
- Each TMG version supports MDF development for all aircraft with the same ALE-47 Operational Flight Program (OFP)
- Data screens are grouped in a logical manner, promotes ease of use
- Validates values entered are within acceptable ranges



Sample **TMG** Screens





SLTS

Intermediate-Level Tester

I-level tester is the Shop Level Test Set (SLTS)

- Acceptance Testing and Intermediate Level Testing of ALE-47 Electronic LRUs
  - Same Acceptance Test Procedure (ATP) performed at the OEM
- Identifies faults at the Circuit Card Assembly (CCA) level
- New technology refreshed in 2015
- Year over year contracts for international customers ensures upgrades and availability
- Single SLTS can test all ALE-47 LRUs across multiple platform types

Logistics Support

- Direct Commercial Sales (DCS) arrangement recommended
  - Foreign Military Sales (FMS) not required
- Spares can be positioned at end user facilities
- With SLTS, I-level repairs can be performed in-country
- Spares positioned at BAE Systems OEM factory
- Reduced lead time
- Depot repairs at BAE Systems OEM factory

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BD MANAGER
CANADA & LATAM
carlos@iptsb.com

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EMEA
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EMEA
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BAE SYSTEMS

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 µV to 0.5V (all receivers) (1 mV ref)			
SQUELCH				
ADJUSTMENT RANGE	0 to 4 µV minimum			
HYSTERESIS	2 to 8 dB			
ATTACK TIME	50 milliseconds maximum			
SELECTIVITY	Narrowband	Wideband		
6 dB	±12 kHz minimum	±35 kHz minimum		
40 dB	±25 kHz maximum			
60 dB		±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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BD MANAGER
CANADA & LATAM
carlos@iptsb.com

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BD DIRECTOR
ASIA/PAC
nsloh@iptsb.com

MARC VAN SPRANG
BD MANAGER
EMEA
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BD MANAGER
EMEA
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EMEA
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GOLETA, CA 93117 USA
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P-3 CAPABILITIES

AEROFLUIDPRODUCTS

P/N	DESCRIPTION	NSN
C5380-01	OBIGGS BLEED RELIEF	1680-01-585-5200



CARLOS DIAZ
BD MANAGER
CANADA & LATAM
carlos@iptsb.com

NGEE SING LOH
BD DIRECTOR
ASIA/PAC
nsloh@iptsb.com

MARC VAN SPRANG
BD MANAGER
EMEA
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P-3 CAPABILITIES

Whippany Actuation Systems

P/N	DESCRIPTION	NSN
R1596M5	LINEAR ACTUATOR	1680-00-887-1911



CARLOS DIAZ
BD MANAGER
CANADA & LATAM
carlos@iptsb.com

NGEE SING LOH
BD DIRECTOR
ASIA/PAC
nsloh@iptsb.com

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BD MANAGER
EMEA
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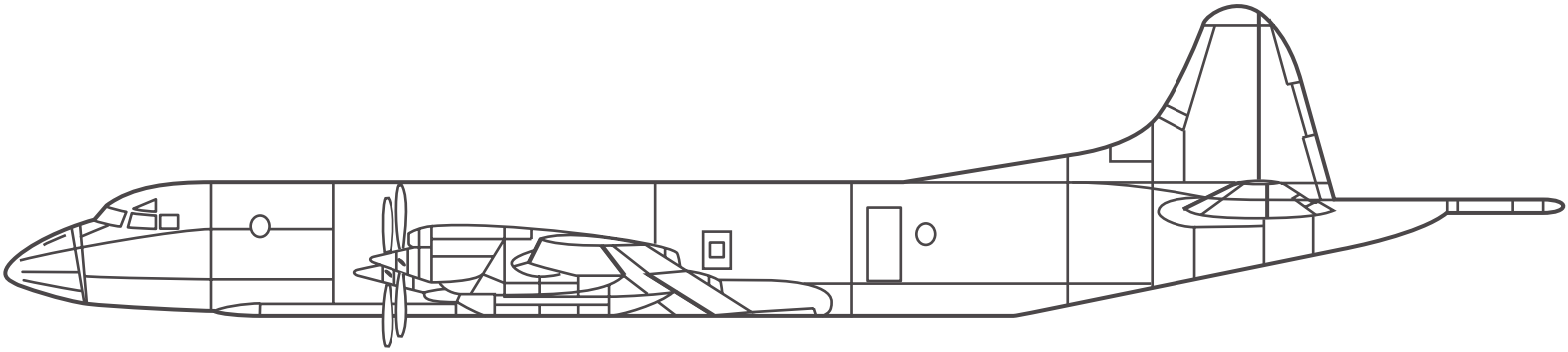
P-3
LATCHING SYSTEMS CAPABILITIES

HARTWELL

P/N	DESCRIPTION	NSN
H105-7	LATCH SET,RIM	5340-00-819-5425
H121-1	CATCH,FLUSH	5340-00-807-9012
H121-2	LATCH ASSEMBLY	5342-00-807-9013
H121-3	LATCH ASSEMBLY	5342-00-807-8995
H121-4	CATCH,CLAMPING	5340-00-807-8998
H122-1	LATCH SET,MORTISE	5340-00-807-9001
H122-2	CATCH,FLUSH	5340-00-807-9003
H122-3	CATCH,FLUSH	5340-00-807-9005
H122-4	LATCH,RIM	5340-00-807-9009
H122-5	LATCH ASSEMBLY	5342-00-807-8992
H122-6	LATCH SET,MORTISE	5340-00-807-8994
H123-1	CATCH,FLUSH	5340-00-819-5426
H5000-2-040-072	CATCH,FLUSH	5340-00-598-2850

P/N	DESCRIPTION	NSN
H5000-2-051-102	CATCH,FLUSH	5340-00-530-7643
H5000-2-064-102	CATCH,FLUSH	5340-00-530-7649
H5000-2-064-115	CATCH,FLUSH	5340-00-514-3073
H5000-2-156-268	CATCH,FLUSH	5340-00-807-9052
H5100-2-064-179	CATCH,FLUSH	5340-00-738-1195
H520-1-040-1410	LATCH,TRIGGER LOCK	5342-00-672-1855
H520-1-040-330	CATCH,FLUSH	5340-00-672-1825
H520-5-040-1410		
H6081S4.5-102-156		
H6300K749	HINGE,BUTT	5340-01-290-8341
H983-1	LATCH,RIM	5340-00-136-2683
H983-3	LATCH,MORTISE	5340-01-277-5126



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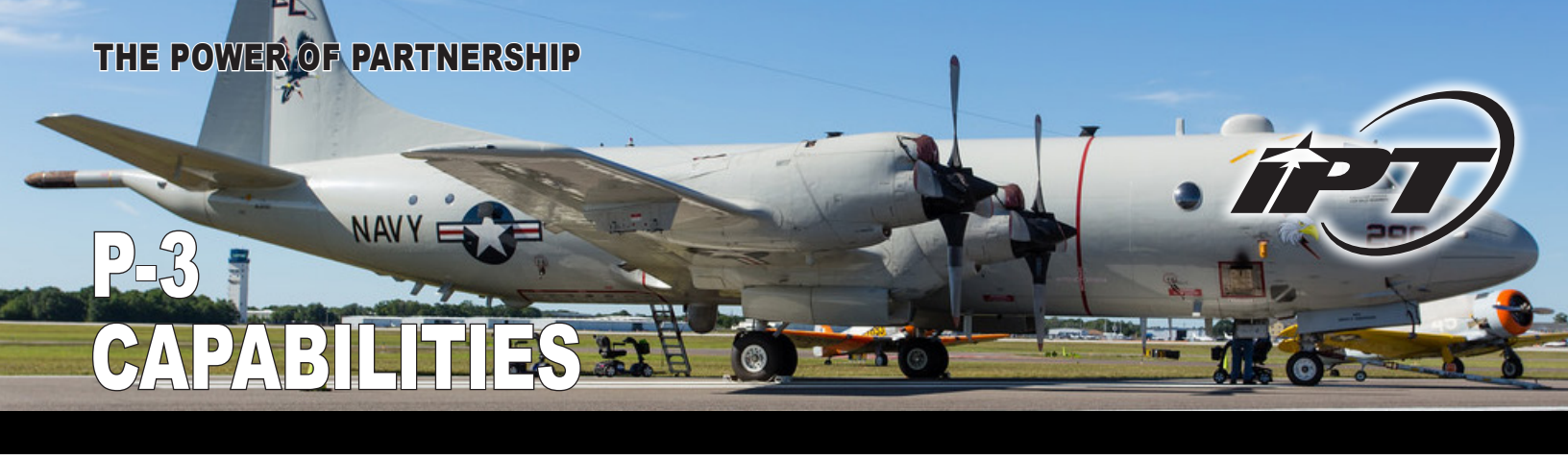

Columbus Jack
A TRONAIR COMPANY

AIRCRAFT JACKS

MODEL 8704-010
35 TON AXLE JACK
NSN 1730-01-013-4185



AIRCRAFT JACKS - NOSE

MODEL 55A6309
MANIFOLD KIT
NSN 1730-00-594-1730

MODEL 972-018
12 TON TRIPOD JACK
NSN 1730-01-384-1715

MODEL 50J25178
10 TON TRIPOD JACK
NSN 1730-00-516-2019

AIRCRAFT JACKS - WINGS

MODEL 53J6268
30 TON TRIPOD JACK
NSN 1730-00-516-2017

MODEL 8654-010
30 TON TRIPOD JACK
NSN 1730-01-068-1126



JACK TESTERS

MODEL 7054-020
PORTABLE JACK TESTER

MODEL 7186-010
STATIONARY JACK TESTER
NSN 1730-01-329-6355

BEAD BREAKERS

MODEL 9323-020
30 TON CAPACITY
NSN 4910-00-267-9126

MODEL 715J1000EX
25,200 LBS CAPACITY
NSN 4910-01-267-7191



WHEEL DOLLY

MODEL 9764-010
800 LBS CAPACITY
NSN 1730-00-529-8231



RECOVERY SYSTEMS

MODEL 48C7171
11 TON PNEUMATIC LIFTING BAG
NSN 1730-00-263-2962

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CANADA & LATAM
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TIMKEN

P/N	DESCRIPTION
23055591TA	BEARING, ROLLER 55MM X 105MM X 22MM
23062342TA	BEARING, ROLLER CYLINDRICAL
23064888TA	BEARING, ROLLER 55MM X 90MM X 26MM
23071567TA	BEARING, ROLLER CYLINDRICAL
23030559TA	BEARING, BALL 20MM X 47MM X 28 MM
T23030559	BEARING, BALL 20MM X 47MM X 28 MM
23030560TA	BEARING, BALL ANNULAR 25MM X 47MM X 12MM
23030563TA	BEARING, BALL 30MM X 55MM X 13MM
T23030563	BEARING, BALL 30MM X 55MM X 13MM
23055550TA	GEAR & BEARING ASSY, PLANET
23057662TA	BEARING BALL 59.97MM X 110MM X 22MM
23058579TA	BEARING, ROLLER 35MM X 72MM X 17MM
23058581TA	BEARING, ROLLER, CYLINDRICAL
23058582TA	BEARING, BALL, ANNULAR 25MM X 215MM X 35MM
23058584TA	BEARING, ROLLER 160MM X 230MM X 28MM
23058585TA	BEARING, BALL, ANNULAR 25MM X 215MM X 35MM
T23058585	BEARING, BALL, ANNULAR 25MM X 215MM X 35MM
23058589TA	BEARING, ROLLER 30MM X 55MM X 13MM
23058593TA	BEARING, ROLLER 65MM X 106MM X 23 (27)MM
T23058593	BEARING, ROLLER 65MM X 106MM X 23 (27)MM
23058594TA	BEARING, ROLLER, CYLINDRICAL, 60MM X 110MM
T23058594	BEARING, ROLLER, CYLINDRICAL, 60MM X 110MM
23062205TA	BEARING, ROLLER 40MM X 68MM X 15MM
23062238TA	BEARING, ROLLER, CYL. 23MM X 55MM X 16MM
23062341TA	BEARING, ROLLER 17MM X 35MM X 10MM
6871077TA	BEARING, BALL 60MM X 95MM X 18MM
T6894129	GEAR & BEARING ASSY, PLANET

P/N	DESCRIPTION
6875243TA	BLADE, TURBINE - 3RD STAGE
6898061TA	BLADE, TURBINE - 1ST STAGE
6898062TA	BLADE, TURBINE - 2ND STAGE
23031741TA	VANE, TURBINE - 2ND STAGE
C23031741	VANE, TURBINE - 2ND STAGE
T23031744	SADDLE, TURBINE - 1ST STAGE
23031745TA	VANE, TURBINE - 1ST STAGE
23031746TA	VANE, TURBINE - 1ST STAGE
23031747TA	VANE, TURBINE - 1ST STAGE
23031748TA	VANE, TURBINE - 1ST STAGE
6809081TA	BLADE, COMPRESSOR - 1ST STAGE
6809082TA	BLADE, COMPRESSOR - 2ND STAGE
6809083TA	BLADE, COMPRESSOR - 3RD STAGE
6809084TA	BLADE, COMPRESSOR - 4TH STAGE
6809085TA	BLADE, COMPRESSOR - 5TH STAGE
6809086TA	BLADE, COMPRESSOR - 6TH STAGE
6809087TA	BLADE, COMPRESSOR - 7TH STAGE
6809088TA	BLADE, COMPRESSOR - 8TH STAGE
6809089TA	BLADE, COMPRESSOR - 9TH STAGE
6809090TA	BLADE, COMPRESSOR - 10TH STAGE
6809091TA	BLADE, COMPRESSOR - 11TH STAGE
6809092TA	BLADE, COMPRESSOR - 12TH STAGE
6809093TA	BLADE, COMPRESSOR - 13TH STAGE
6809094TA	BLADE, COMPRESSOR - 14TH STAGE
T23001425	GEAR, SPUR-INTERNAL SPLINE
T23005956	STARTER SHAFT ASSEMBLY
6716336TA	GEAR ASSY-AUX PRESSURE OIL PUMP IDLER

CARLOS DIAZ
BD MANAGER
CANADA & LATAM
carlos@iptsb.com

NGEE SING LOH
BD DIRECTOR
ASIA/PAC
nsloh@iptsb.com

MARC VAN SPRANG
BD MANAGER
EMEA
marc@iptsb.com

AYOUP JARRAI
BD MANAGER
EMEA
ayoup@iptsb.com

HAIDER LONE
SR. BD MANAGER
EMEA
haider.lone@iptsb.com

INTEGRATED PROCUREMENT TECHNOLOGIES
7230 HOLLISTER AVENUE
GOLETA, CA 93117 USA
P. 805 682 0842 F. 805 682 9434

TIMKEN

P/N	DESCRIPTION
T6716336	GEAR ASSY-AUX PRESSURE OIL PUMP IDLER
6723179TA	GEAR - SCAVENGE PUMP DRIVE
T6723179	GEAR - SCAVENGE PUMP DRIVE
T6824043	GEAR-SPUR, TACH & OIL PUMP DRIVE
T6824044	GEAR-SPUR, PUMP DRIVE IDLER
6829388TA	GEAR, SPUR-NOSE SCAVENGE PUMP DRIVE
T6829388	GEAR, SPUR-NOSE SCAVENGE PUMP DRIVE
6876478TA	SHAFTGEAR, SPUR-PUMP DRIVE
T6876478	SHAFTGEAR, SPUR-PUMP DRIVE
23003503TA	LOCK, SPLINE-PROP SHAFT THRUST NUT
T23003503	LOCK, SPLINE-PROP SHAFT THRUST NUT
23053857TA	SEAL, LABY ROTATING COMPR. REAR-PRIMARY
T23053857	SEAL, LABY ROTATING COMPR. REAR-PRIMARY
540338TA	RING - SEAL GROOVE, SPEED GOV
T6723227	BUSHING .556 ID X .6895 OD X .375 LG
T6737045	NUT-SPANNER 2.3600-16 UNS3B THD-LEFTHAND
T6738451	RING-SAFETY COUPLING SPHERICAL EXTERNAL
6780888TA	BUSHING 1.240 ID X 1.509 OD X .552 LG-FLANGED
6780888TA	BUSHING 1.240 ID X 1.509 OD X .552 LG-FLANGED
T6780888	BUSHING 1.240 ID X 1.509 OD X .552 LG-FLANGED
T6787878	SHAFT - IDLER PUMP GEAR
6788713TA	LOCK, PROP SHAFT THRUST NUT
T6788713	LOCK, PROP SHAFT THRUST NUT
T6789398	PLUG ASSY - STARTER SHAFT
T6789877	COUPLING TURBINE REAR SCAV. PUMP DRIVE
T6792040	CONE, INNER PROP BRAKE
T6792257	FLANGE-COMPR. REAR, BEARING SEAL
T6794399	SHAFT-COUPLING OUTER MEMBER
T6805748	GASKET-TURBINE INLET THERMOCOUPLE
6823502TA	HOUSING-COUPLING
T6823502	HOUSING-COUPLING
T6824478	CONE ASSY - INNER FRONT EXHAUST
T6829556	MOUNT ASSY, IGNITER FERRULE
T6829670	MEMBER, SAFETY COUPLING - OUTER
T6841117	SEAT, SPRING-SAFETY COUPLING
6841158TA	SEAL, LABYRINTH-TURBINE FRONT BEARING
T6842119	MEMBER, SAFETY COUPLING - INTERMEDIATE
T6842120	MEMBER, SAFETY COUPLING - INNER
6844614TA	SEAL, LAB. TURBINE
T6844778	BOLT ASSY, TURBINE TO COMPRESSOR - TIE
T6845277	SEAL, LABYRINTH-ROTOR, INNER
6845945TA	BOLT, TIE - COMPRESSOR
T6846518	FERRULE, FUEL NOZZLE
T6846747	SHAFT ASSY, DRIVE TACHOMETER
T6847330	SEAL, LABYRINTH - TURBINE FRONT BEARING
T6847913	PIN, SHOULDERED, HEADLESS
T6847913P001	PIN, SHOULDERED, HEADLESS
T6847913P003	PIN, SHOULDERED, HEADLESS
T6847913P015	PIN, SHOULDERED, HEADLESS
T6857509	TUBE, CROSSOVER

P/N	DESCRIPTION
T6859014	KEY, TURBINE CASING PILOTING-FRONT
T6859371	SEAT, CHECK VALVE
T6870701	NOZZLE, OIL - .070 DIA ORIFICE
T6871659	BUSHING, .366 ID X .502 OD X .365 LONG
6873624TA	VANE ASSY, COMPR AIR INLET - ANTI-ICING
T6873624	VANE ASSY, COMPR AIR INLET - ANTI-ICING
6873625TA	ANTI-ICING VANE AIRFOIL
T6876196	SEAT, SPRING SAFETY COUPLING
T6876198	SPACER, SAFETY COUPLING SEAT
T6876865	LINER ASSEMBLY, TRANSITION
T6877738	GROMMET ASSY, THERMOCOUPLE
T6892292	FLANGE-TUBE, REAR TURBINE BEARING OIL
T6894068	LINER ASSEMBLY, COMBUSTION
T6897646	SEAL, LABYRINTH - TURBINE REAR
6825237TA	SHAFT ASSY, HYDRAULIC PUMP DRIVE
6829392TA	GEAR, SPUR - HYDRAULIC PUMP IDLER DRIVE
6829398TA	GEAR, SPUR - SCAVENGE PUMP DRIVE
6846363TA	GEAR, SPUR - MAIN IDLER
6850825TA	GEAR, SPUR - OIL PUMP DRIVE
23004641TA	CAGE, BEARING
23004642TA	CAGE, BEARING
23004643TA	CAGE, BEARING
23004644TA	CAGE, BEARING
23004645TA	CAGE, BEARING
23005930TA	ELBOW, TUBE-3 WAY FLARED TUBE & BULKHEAD
6716337TA	GEAR - AUX PRESSURE OIL PUMP IDLER
6784960TA	INSERT - SCR THD 3/4-16 X 15/16-20 X .750
6788225TA	GEAR - SCAV PUMP DRIVE (PINION)
6792069TA	PLUG - EXTENSION SHAFT COUPLING
6875350TA	GASKET, METALLIC U-RING
6875351TA	SEAL, CRUSH
6852412TA	BLADE, TURBINE - 4TH STAGE
23009372TA	CASING, TURBINE VANE
T6783834P020	SLEEVE
T6859601	VANE ASSY, COMP. 1ST STAGE
T6859602	VANE ASSY, COMP. 2ND STAGE
T6859603	VANE ASSY, COMP. 3RD STAGE
T6859604	VANE ASSY, COMP. 4TH STAGE
T6859605	VANE ASSY, COMP. 5TH STAGE
T6859606	VANE ASSY, COMP. 6TH STAGE
T6859607	VANE ASSY, COMP. 7TH STAGE
T6859608	VANE ASSY, COMP. 8TH STAGE
T6859609	VANE ASSY, COMP. 9TH STAGE
T6859610	VANE ASSY, COMP. 10TH STAGE
T6859611	VANE ASSY, COMP. 11TH STAGE
T6859612	VANE ASSY, COMP. 12TH STAGE
T6859613	VANE ASSY, COMP. 13TH STAGE
T6789474	VANE ASSY, COMP. 14TH STAGE
T23055590	BEARING, ROLLER, CYLINDRICAL

CARLOS DIAZ
BD MANAGER
CANADA & LATAM
carlos@iptsb.com

NGEE SING LOH
BD DIRECTOR
ASIA/PAC
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MARC VAN SPRANG
BD MANAGER
EMEA
marc@iptsb.com

AYOUP JARRAI
BD MANAGER
EMEA
ayoup@iptsb.com

HAIDER LONE
SR. BD MANAGER
EMEA
haider.lone@iptsb.com

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GOLETA, CA 93117 USA
P. 805 682 0842 F. 805 682 9434