





Our World
Is Parts.

Our Passion
Is **Partnership.**

Proponent, the largest independent distributor of commercial aircraft parts, is pleased to join forces with **Pacific Air Logistics (PAL)** to form **Proponent Helicopter Services**. With over 40 years of industry experience in the helicopter aftermarket, particularly on the Bell platforms, PAL offers unrivaled reliability and expertise. With the recent acquisition of **American Aerial Sales & Coast Helicopter & Aircraft Supply**, PAL inherits over 50 years of history and 205,000 line items to its ever-growing catalog. As a result, we at Proponent are able to provide first-rate quality products, delivered in a swift, efficient manner at competitive costs to our customers.

By combining PAL and Proponent portfolios, we can provide our customers access to over 270,000 part numbers from stock, making us ready to supply replacement components for routine maintenance and emergency time-sensitive repairs, globally.

With our unmatched product coverage and logistical capabilities, we deliver the parts and

services you need, on time, and with the highest level of quality. Our relationships with aircraft operators, maintenance providers, manufacturers and our supply chain partners drive us to deliver reliable, customer-centered service that focuses on real-time needs.

This guide features a small sample of our helicopter products. To learn about the full range of our product offerings and discuss how Proponent Helicopter Services can support your needs with our innovative customized solutions, please email us at sales@phsvs.com.





















SEE WHAT'S POSSIBLE WITH A PROONENT® COMPANY ON YOUR SIDE.



For more information, visit proponent.com/phs.



Interior

| | | | | | | |
|---|---|--|--|---|---|--|
|  <p>Actron Latches, Interior Hardware</p> |  <p>Ancra International Seat Track, Anchors, Fittings</p> |  <p>Collins Aerospace (B/E Aerospace) Galley Inserts, Lighting, Heated Floor Panels, Water Systems</p> |  <p>Essex Industries Emergency Breathing Equipment</p> |  <p>General Ecology Water Filtration</p> |  <p>Gore PTFE Seals, Tapes</p> |  <p>ITT Enidine Actuators, Dampers, Seat Motion Control</p> |
|  <p>Koito Lighting, Signage</p> |  <p>Lamart Corp. Insulation, Tapes, Films</p> |  <p>Mason Indicators, Switches</p> |  <p>Meggitt Fire Protection Restraints</p> |  <p>Parker Coalescers</p> |  <p>Rollon Telescopic Rails, Linear Guides</p> |  <p>Safran (Zodiac, Driessen) Lav Valves, Oxygen Systems, Masks, Trolley Carts</p> |
|  <p>Schneller Laminates</p> |  <p>Schroth Safety Products Restraints</p> |  <p>SFS Intec Hardware</p> |  <p>Switlik Life Vests</p> |  <p>Talon Lighting</p> |  <p>Vision Systems Aeronautics Visors, Solar Protection Systems</p> | |



Aerospace & OEM Standards

Airbus and Boeing Extrusions & Profiles:
1ABS0305, ABS0317, ABS5642/3,
BAC1522

Gas Springs:
ASNA2151







Clamps:
AS/MS21919, M85052, BACC10, etc.

Additional Partners

| | | | |
|---------------------------------|----------------------------------|--|--------------------|
| Aim Altitude | Federal Signal | Micropump* | Yokohama Aerospace |
| Amsafe Inc | Gigavac | Morgan Hinges | |
| Array Connector Corp | Harper Engineering* | Oshino* | |
| Astronics DME* | Havells Sylvania | Pentair | |
| ATS Aaxico* | Honeywell (Microswitch)* | Pexco* | |
| BAE Systems | Hutchinson (Paulstra Vibrachoc)* | Saint Gobain* | |
| Becker Avionics* | IFPL | Sensata (Kavlico)* | |
| Cole Instrument | Ipeco | Source Manufacturing | |
| Diehl Aerospace and Aviation | Jamco | Stabilius* | |
| DTI (Device Technologies Inc.)* | Lufthansa Technik | TE Connectivity (Raychem, Amp, Deutsch)* | |
| Electroswitch* | Madelec | Thales | |

*Authorized Supplier Partnership

Engine

| | | | | | | |
|---|--|--|---|---|--|--|
|  <p>Adel Wiggins Clamps</p> |  <p>Auxitrol Weston (Norwich) Sensors</p> |  <p>Carlisle (Tri-Star) Contacts</p> |  <p>Collins Aerospace Sensors, Speed, Fuel, Temp, Torque, Oil Sensors</p> |  <p>Conesys (Jtech) Connectors</p> |  <p>Freudenberg (ISC) Seals, Gaskets, O-Rings</p> |  <p>Honeywell Seals, Gaskets</p> |
|  <p>Hutchinson (JPR) Seals, Gaskets</p> |  <p>ITT Aerospace Controls Actuators, Valves</p> |  <p>Kirkhill Seals, Extrusions</p> |  <p>Leach Relays</p> |  <p>Meggitt Valves, Sensors, Fire Protection, Thermal Management</p> |  <p>Parker Fuel System Components, Seals, Gaskets, O-Rings</p> |  <p>Souriau Sunbank Connectors, Harness Components</p> |
| <p>TA AEROSPACE</p> <p>TA Aerospace Clamps, Line Blocks</p> |  <p>TE Connectivity (Raychem, Amp, Deutsch) Connectors, Harness Components, Tube/Braid, Relays</p> |  <p>Titeflex Hoses</p> |  <p>Trelleborg Seals, Gaskets</p> |  <p>Voss Industries Clamps, Couplings</p> | | |



Aerospace & OEM Standards



























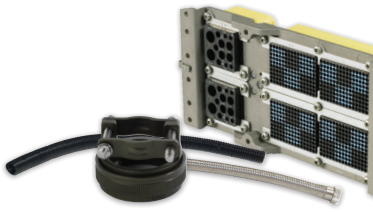
| | | | |
|---|--|---|---|
| Hoses, Medium and High Pressure: ABS1400/1401, AS115-120, AS153-55, AS136-141, AS4568-70, etc. | Seals, Couplings: AS1895, MS9371-76, etc. | Contacts and Connector Accessories: EN3155, BACC47CN/CP, M85049, ABS0638, MS24264-66, etc. | Clamps: AS/MS21919, M85052, BACC10, etc. |
| O-Rings, Back-up Rings: MS28773/4, NAS1611, ABS820x, M25988, M83248, AS3209, etc. | Connector: EN3646, D38999, BACC63BP/BV, M83723, ESC10, etc. | Connectors: EN3646, D38999, BACC63BP/BV, M83723, ESC10, etc. | |

Additional Partners

| | | | |
|------------------------------|----------------------------------|-------------------------|--|
| American Seal & Engineering* | Gigavac | Radiall* | |
| Amphenol | Glenair | RMS* | |
| Amphenol Air LB* | Hi-Rel Connectors* | Saint Gobain* | |
| Amphenol PCD* | ITT Cannon | Scientific Instruments* | |
| ATS Aaxico* | Jetseal* | Secan* | |
| Bergen Cable Technology* | Sensata (Kavlico)* | Sensata Technologies | |
| Breyden | Le Joint Francais | Technetics* | |
| Cinch | Nexans* | Thomas and Betts* | |
| Cole Instrument | Northern Engineering (Sheffield) | | |
| Daniels Manufacturing | Parco* | | |
| Eaton Cooper* | Precix* | | |

*Authorized Supplier Partnership

Airframe

| | | | | | | |
|--|---|---|---|---|---|---|
|  <p>Adel Wiggins Heaters</p> |  <p>Auxitrol Weston (Norwich) Sensors</p> |  <p>Bergen Cable Technology Mechanical Cable</p> |  <p>Carlisle (Tri-Star Electronics) Contacts, Connectors, Cable</p> |  <p>Collins Aerospace AOA, Pilot Sensors</p> |  <p>Conesys (Jtech) Electrical Connectors</p> |  <p>Freudenberg (ISC) Seals, Gaskets, O-Rings</p> |
|  <p>Gore PTFE Seals, Tapes</p> |  <p>Honeywell Sensors, Switches, Sensing and Control</p> |  <p>Hutchinson (Barry Controls) Vibration Isolation JPR Seals</p> |  <p>ITT Aerospace Actuators, Valves, Heaters, ECS Components</p> |  <p>Kirkhill Seals, Extrusions</p> |  <p>Lamart Corp. Insulation Blankets, Films, Tapes</p> |  <p>Leach Relays</p> |
|  <p>Meggitt Seals, Extrusions, Sensors</p> |  <p>Parker Fuel System Components, Seals, Gaskets, O-Rings</p> |  <p>RMS Connectors, Harness Components</p> |  <p>Safran (Kaiser Electro Precision) Fuel Sticks, Service Connectors, Lav Valves, Landing Gear Hardware, Kits, Ventilation</p> |  <p>Saint Gobain Seals, Gaskets</p> |  <p>Souriau/Sunbank Connectors, Harness Components, Conduit</p> |  <p>TA Aerospace Clamps, Line Blocks</p> |
|  <p>Talon Exterior Lighting</p> |  <p>TE (Deutsch, Raychem) Connectors, Harness Components, Tube/ Braid, Relays</p> |  <p>Titeflex Hoses</p> |  <p>Trelleborg Seals, Gaskets</p> |  <p>Voss Industries Clamps, Couplings</p> |  | |

Aerospace & OEM Standards

| | | | |
|---|--|---|---|
| Boeing Airframe Seals and Extrusions: 10-60754, BAC1522/30 | Fuel Caps: 10-60754, BAC1522/30 | Seals, Couplings: AS1895, MS9371-76, etc. | Clamps: AS/MS21919, M85052, BACC10, etc. |
| Hoses, Medium and High Pressure: ABS1400/1401, AS115-120, AS153-55, AS136-141, AS4568-70, etc. | O-Rings, Back Up Rings: MS28773/4, NAS1611, ABS820x, M25988, M83248, AS3209, etc. | Connectors: EN3646, D38999, BACC63BP/BV, M83723, ESC10, etc. | Contacts and Connector Accessories: EN3155, BACC47CN/CP, M85049, ABS0638, MS24264-66, etc. |

Additional Partners

| | | | |
|------------------|-----------------------|--------------------------------|------------------------------|
| Acme* | Crouzet* | Koito* | Sensata (Kavlico)* |
| AECI | Daniels Manufacturing | Le Joint Francais | Sensor Systems* |
| Akrofire | Dayton Granger* | Liebherr | Sumitomo Precision |
| Amphenol | Eaton Cooper* | Loos and Co | Tactical Airborne Components |
| Amphenol Air LB* | EDO Antenna | Nexans* | Technetics* |
| Amphenol PCD* | Gigavac | Northern Engineering Sheffield | Thomas and Betts* |
| ATS Aaxico* | Glenair | Oshino* | Woodward Governor |
| Boeing | Hi-Rel Connectors | Parco* | |
| Breyden | ITT Cannon | Precix* | |
| Cinch | Jenoptik* | Radiall* | |
| Crane-Eldec | Jetseal* | Scientific Instruments* | |

*Authorized Supplier Partnership

Cockpit

| | | | | | | |
|--|---|---|---|--|--|--|
|  <p>ADS/Transicoil Avionics & Displays</p> |  <p>Astronics DME Flashlights, Safety Products</p> |  <p>Becker Avionics Avionics Communication, Intercom</p> |  <p>Cole Instrument Rotary, Engine Start Switches</p> |  <p>Collins Aerospace Windshield Wipers</p> |  <p>Crouzet Switches</p> |  <p>Electroswitch Switches</p> |
|  <p>Holmberg Headsets, Handsets, Microphones</p> |  <p>Honeywell (Microswitch) Switches, Sensing and Control</p> |  <p>Hutchinson (Paulstra-Vibrachoc) Racking Systems, Anti-Vibration, Light Panels</p> |  <p>Ipeco Seats</p> |  <p>Koito Window Heater</p> |  <p>Leach Relays</p> |  <p>Mason Indicators, Switches</p> |
|  <p>Orolia ELT, Positioning, Nav Products</p> |  <p>Thales Avionics</p> |  <p>Ultra Electronics Flight Instruments</p> |  <p>Vision Systems Aeronautics Visors, Solar Protection</p> | | | |



| Aerospace & OEM Standards | | | |
|---|----------------------------------|--------------------------------------|--|
| Airbus Switches and Annunciators: ABS0951 | Airbus Relays: (asn) E0217/ 218A | Airbus Junctions, Modules: NSA937901 | |

Sample Bell Product Offering

| PRODUCT | BELL APPLICATION |
|---|---|
| Actuators (Power Train/Power Plant) | 204, 206, 209, 212, 214, 222 |
| Adapters (Power Train/Power Plant) | 204, 206, 209, 212, 214, 222 |
| Bearings | 204, 205, 206, 209, 212, 214, 222, 412, 540 |
| Bell Cranks | 204, 205, 206, 209, 212, 214 |
| Boots | 204, 205, 206, 209, 214 |
| Braces/Brackets | 204, 205, 206, 209, 212, 214, 222 |
| Cable Assy's | 204, 205, 206, 209, 212, 214, 222 |
| Ducts/Duct Assy's | 204, 205, 206, 209, 212, 214, 222 |
| Electrical (Indicators, Relays, Resistors, Switches, Circuit Breakers) | 204, 205, 206, 209, 212, 214, 222, 412, 540 |
| Filters | 204, 205, 206, 209, 212, 214 |
| Flight Control Accessories | 204, 205, 206 |
| Gears/Pinions | 204, 205, 206, 212, 214 |
| Hardware (Bolts, Brackets, Bushings, Clamps, Fittings, Nuts, Screws, Shims, Sleeves Spacers, Washers) | 204, 205, 206, 209, 212, 214, 222, 412, 540 |
| Hydraulic Accessories | 204, 205, 206, 209, 214 |
| Panels (Cargo, Door, Window) | 204, 205, 206, 209, 212, 214, 222 |
| Rubber (Extruded, Gaskets, O-Rings, Seals, Strips) | 204, 205, 206, 209, 212, 214 |
| Straps/Strap Assy's | 204, 205, 206, 212, 214 |
| Tail Rotor Accessories | 204, 205, 206, 212, 214 |
| Tubes/Tube Assy's | 204, 205, 206, 209, 212, 214, 222, 540 |
| Valves/Valve Assy's | 204, 205, 206, 209, 212, 214 |
| Windows/Window Assy's | 204, 205, 206, 209, 214 |







Wherever Our Customers Need Us

With facilities strategically placed around the world and the independence to stay agile, we are always ready to respond to our customers' needs, even when those needs change.

We are committed to supporting our aircraft operators, maintenance organizations and OEM customers – wherever they may be.

We'd love to hear how we can better serve your helicopter needs. Please let us know by emailing sales@phsvs.com.

► For more information, visit proponent.com/phs.

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