Inlet Barrier Filter System

Aircraft Components & Spares

Life Support Equipment

Search & Rescue

Covers & Washing Systems

CONSULTING | REPRESENTATION | DISTRIBUTION
Address Inquiries to sales@noortekllc.com or FAX No. +(484) 906-7887.
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Since 2008, NOORTEK LLC has been servicing the aerospace industry, providing value-added products and support. Our services include aircraft equipment and spares distribution, representation, and marketing and management consulting services.

NOORTEK LLC is a Pennsylvania based company registered with the U.S. Department of State and a member of TRACE International.

NOORTEK provides a wide range of products and support services for both fixed wings and helicopters, including the following:

**Inlet Barrier Filter System**
- Sikorsky (UH-60, S-70, SH-60, S92, S76)
- Bell (407, 206, OH58)
- Eurocopter (AS350, EC120, EC130, EC135)
- MD500 & MD600

**Aircraft Components & Spares:**
- KAflex Main-rotor Driveshaft Bell206 series
- Non-lubricated and specialty Bearings (KAron)
- Aircraft Control Cables (C130, T-37, etc.)
- Composite Rotor Protection kits (AH-1, AH-6, MD500, MD900)
- Engine Parts
- Aircraft Electronics and Instrumentation Components
- Fittings, hose & Tube Assemblies

**Search & Rescue:**
- Rescue Hoists
- Rescue Seats, Rescue Baskets, Rescue Nets, Hooks, etc.

**Life Support Equipment:**
- Life Rafts
- Life Vests
- Survival Kits

**Aircraft Protection Systems:**
- Aircraft Foaming and Washing Systems
- Aircraft Protective Covers
Overhaul and Repair

- Composite Rotor Blades (Ah-1 Cobra, MD-902, etc)
- Rescue Hoists, Cargo Winches & Cargo Hooks

Training

Simulator Training: SA-70/UH-60 Blackhawk, Bell212, AH-1, UH-1 Huey II & Mi-17

Search & Rescue Training: Flight Line & Maintenance and Operation

Spare Parts

Parts provided include: Airframe components, aircraft control cables, non-lubricated and specialty bearings, driveshafts, landing gear and gear box components. Engine parts, connectors, relays and various other electronic and aircraft components.

PARTNERS
INLET AIR BARRIER
FILTER SYSTEM

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**Why Aerometals Filters?**

People often ask us why they need the Aerometals when they already have a particle separator.

Quite plainly, separators do not provide complete protection. Although somewhat effective in removing larger particles when dust concentrations are relatively low, standard separators have shown marginal ability to filter medium to small particles of sand and dust. Air forced to enter a maze of twisted baffles results in restricted airflow and decreased inlet pressure. Bleed air is used continuously to drive particle ejectors, which results in even greater loss of power. Because these fixed power losses result in higher operating temperatures and increased fuel consumption, shorter engine life and higher operating costs result. Premature engine component wear and erosion adds an exponential factor to these losses, and the component wear/power loss cycle feeds itself. This cycle can be stopped by ensuring that only the cleanest air possible enters the engine.

**Advantages of the Aerometals include:**

- Eliminates 99% of microscopic particles (99.3% capture efficiency - SAE Test Dust).
- Prevent premature compressor/turbine blade erosion.
- Reduces corrosion due to ingestion of airborne salt nuclei present in coastal operations.
- Eliminates governor, bleed valve & fuel nozzle contamination.
- Lower operating temperatures (TOT).
- Protects the labyrinth seals and all components impacted by cooling airflow.
- Prevents ash compaction on turbine wheels and resulting hot spots.
- Prevents centrifugal coating of internal shafts and resulting imbalance.
- Decreased wear in oil path and bearings.

**Longer Engine Life, Higher Performance & Exceptional Cost Effectiveness**

The Aerometals provides superior engine protection in normal and adverse operating environments, reduced maintenance costs, and greater installed performance than typical turbine helicopter filter systems.
INLET AIR BARRIER FILTER SYSTEM

EC135 Inlet Barrier Filter

Aerometals newest Inlet Barrier Filter (IBF) system is design for the Eurocopter EC135 light twin helicopter. The innovative light weight design provides complete engine inlet protection in any operating environment. The advanced system is designed for ease of installation and boasts an ample and efficient filter surface area with maintenance tailored to your operations.

- Prevents premature erosion
- Eliminate FOD
- Extend engine life
- Preserve power margins
- Reduce engine overhaul cost
- Reduce aircraft down time

Performance Characteristics

The EC135 IBF certification is a result of comprehensive testing in desert and mountainous regions.

✓ No performance penalty
✓ Certified for use with basic performance charts
✓ Certified for CAT-A operations
✓ Certified for flight in falling and blowing snow

Filter Health Monitor

The Aerometals EC135 IBF system features a Filter Health Monitor (FHM) system that displays filter status to the pilot. If maximum allowable blockage level is reached, the FHM transmits a signal to panel mounted indicator switches, alerting the pilot to activate the bypass doors.

For maintenance, the FHM is useful for planning element cleaning.

Specifications

- STCs: FAA - SR02059SE
  EASA - 10038920

- System Weight: 55 Ibs.

Eligible for installation:

✓ EC135 P2, P2+, P2i, P2e
✓ EC135 T2, T2+, T2i, T2e
Aerometals newest Inlet Barrier Filter (IBF) system is design for the Sikorsky 92 helicopter. The innovative design boasts a lightweight composite material and seals to the existing engine inlet. The new lightweight composite material supports the advanced filter system. The remove and replace “drop-in” design simplifies installation.

- Prevents premature erosion
- Eliminate FOD
- Extend engine life
- Preserve power margins
- Reduce engine overhaul cost
- Reduce aircraft down time

**Performance Characteristics**

- Light weight design: approx. 123Lbs (56 Kg) per ship set
- No performance penalty
- Certified for use with basic performance charts
- Certified for CAT-A operations
- Advanced high efficiency media/ extensive filter surface area
- No limit on Filter Element Cleaning
- 4500 hour “On Condition” Filter Element

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AW139 Inlet Barrier Filter

Aerometals newest Inlet Barrier Filter (IBF) system is design for the AgustaWestland 139 helicopter. The innovative design replacing the OEM cowling door with no modifications to the aircraft. The new lightweight composite material cowling houses the advanced filter system. The remove and replace “drop-in” design simplifies installation.

- Prevents premature erosion
- Eliminate FOD
- Extend engine life
- Preserve power margins
- Reduce engine overhaul cost
- Reduce aircraft down time

Performance Characteristics

- Light weight design: approx. 21Lb. (10 Kg) per ship set
- No performance penalty
- Certified for use with basic performance charts
- Certified for CAT-A operations
- Advanced high efficiency media/ extensive filter surface area
- No limit on Filter Element Cleaning
- 4500 hour “On Condition” Filter Element

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# INLET AIR BARRIER FILTER SYSTEM

## Eurocopter

<table>
<thead>
<tr>
<th>Aircraft</th>
<th>Filter System</th>
<th>Code</th>
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<tbody>
<tr>
<td>AS350</td>
<td>1350IN1-7, 1350IN1-9, 1350IN2-9, 1350IN3-1</td>
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<tr>
<td>EC120</td>
<td>1120IN1-1001</td>
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<tr>
<td>EC130</td>
<td>1130IN1-1</td>
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<tr>
<td>EC135</td>
<td>1135K5-1</td>
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## Bell Textron

<table>
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<tr>
<th>Aircraft</th>
<th>Filter System</th>
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<tbody>
<tr>
<td>EC130</td>
<td></td>
<td>1206IN1-1601</td>
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<tr>
<td>Bell 206L</td>
<td></td>
<td>1206IN2-2600</td>
</tr>
<tr>
<td>Bell 407</td>
<td></td>
<td>1407IN1-4600</td>
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## MD Helicopters

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<tr>
<td>MD500</td>
<td>1369IN1-1</td>
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<tr>
<td>MD600</td>
<td>1600IN1-1</td>
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## Sikorsky

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<th>Aircraft</th>
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<tbody>
<tr>
<td>S-76</td>
<td>S-76 A+, A++, C1076T-5</td>
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</tr>
<tr>
<td>S-76C+</td>
<td>1076T-1</td>
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</tr>
<tr>
<td>S-92</td>
<td>S-92</td>
<td></td>
</tr>
<tr>
<td>Blackhawk / Seahawk</td>
<td>UH-60 / S-70i / SH-60</td>
<td></td>
</tr>
</tbody>
</table>
The MK-III Forest Penetrator/Rescue Seat is designed to extract personnel in any terrain. The rescue seat is intended to hoist one person but is capable of lifting three people in emergencies.

**THICK FOREST PENETRATIONS**
Simple attachment of a weighted shaped slug allows the seat to penetrate through dense foliage.

**OVER-WATER OPERATIONS**
A detachable puncture resistant Flotation Collar provides flotation in all sea conditions.

**SIMPLICITY**
The three collapsible seats are extended or retracted by easy one handed pressure - no latches or levers to confuse the survivor.

**RETENTION**
Retention straps are provided for each seat & are routed around survivors chest and secured to the penetrator.

**MAINTENANCE FREE**
All parts are manufactured with aircraft grade aluminum resulting in long life cycle, minimum care & maintenance.

**COMPACT**
In the stowed position, the rescue seat is just 9 "x 35" long. The seat measures 25" in diameter when all three seats are extended.

**LIGHTWEIGHT**
The Rescue Seat weighs less than 20 pounds.

**MK-III RESCUE SEAT P/N:** RES-1201-00

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RESCUE SEAT

P/N: RES-1201-00

Capacity
Recommended 1 or 2 persons
Max. 3 persons - NTE 500 lbs

Flotation Collar
Buoyancy: 30 Lbs
Diameter: 7"

Restraint Straps
Capacity: 2,500 Lbs
Length: 72"

Dimensions
Overall Length: 35"
Diameter folded: 9"
Diameter legs extended: 25"
Weight: 19 lbs
Folding seat arms: 3 ea 12" x 3"

Construction
Safety Straps MIL-W-27265 TY XIII
Corrosion resistant 304 Stainless Steel
All stainless steel parts are electro-coated with a black finish.

NEW!
END CAP MODIFICATION

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The design and introduction of this device is in response to the growing need for a versatile, compact, helicopter rescue device. The Stretcher Rescue Net is compatible with reduced door sizes of current helicopter configurations. When folded for storage, this net takes minimal space.

The Stretcher Rescue Net greatly increases the capability of helicopter rescue units to safely and effectively extract and transport survivors. Current stretcher configurations that can be utilized for helicopter operations are only capable of transporting victims in a reclined or horizontal position. At the same time, standard rescue baskets, harnesses and nets cannot transport injured in the horizontal position.

The Stretcher Rescue Net is capable of transporting victims in the seated position, as a standard rescue basket or in a horizontal position as a stretcher rescue net. These victims may already be secured to some type of standard ground type device, such as backboards, pole litters and Stokes type stretchers.
BILLY PUGH® HELICOPTER RESCUE NET
BFN-4 & BFN-10

The Billy Pugh helicopter Rescue Net has been proven effective by airborne Search & Rescue crews around the world with hundreds of lives saved.

DESCRIPTION
These Building Fire Nets (BFN) were designed for Multiple Occupant helicopter rescue. BFN nets are twelve feet high when fully open, and collapse to 14” for storage or transport to evacuation site.

4 PERSON
Model No. ............BFN-4
Diameter Base ......44” (112 cm)
Weight...............50 lbs. (23 kg)
Max. Capacity ......2,500 Lbs.

10 PERSON
Model No. ............BFN-10
Diameter Base ......60” (152 cm)
Weight...............70 lbs. (32 kg)
Max. Capacity ......2,500 Lbs.

SUSPENSION
BFN nets attach easily to cargo hooks (for short haul procedure). If the helicopter is not cargo hook equipped, the nets can be suspended by an optional Yoke Band through the body of some helicopters.

OPTIONAL EQUIPMENT
• 1,000º F Fibreglass Heat Shield
• Rescue Long Line
• Helicopter Yoke (Belly) Band
• Storage Bag
• Fibreglass Storage Container
See individual Product Description Sheets for specifications.

The BFN net is the most widely used multiple occupant helicopter rescue device in the world.
The HARD-20™ liferaft system is designed to provide total protection of the onboard liferaft. It is rigged for air drop capability, enabling the aircrew to also use the raft for rescues of others in the water. The concept was initially designed for the US Special Forces 160th SOAR(A) on board MH-47 Chinook helicopter, however the HARD-20™ liferaft system can be easily modified for other aircraft applications. The hard shell canister features wheels, and a unique bulkhead Mount/Release system, enabling deployment by one-person with single point release. The system consists of the following:

**RUGGED polyethylene CANISTER**
The canister is constructed of impact resistant polyethylene, and features ribbed construction, heavy wall aluminum valance with dust seal, 2 Heavy duty black spring bail handles, interior rigid foam set with cutout for life raft, and wheel sets, resulting in an extremely rugged case for transporting the Life raft.

*Canister Dimensions: 34” x 10” x 25”*

**LIFE RAFT, LRU-15/A VACUUMPACKED**
The system includes a standard 20-Man LRU-15/A Lift raft, vacuum packaged for long term life cycle & reduced maintenance cycle.

**STATIC DEPLOYMENT SYSTEM**
The system incorporates a 20 ft. Static Line for purpose of Static Drop from Helicopter. The Static Line “slug” is uniquely stowed inside the Case, eliminating line foul up.

**MANUAL INFLATION**
Located on the one end of the raft is a Manual Inflation Handle, permitting direct inflation of the Life Raft. A safety strap enclosure pocket prevents inadvertent inflation.

SYSTEM PART NO. FLO-4105-AD

Address Inquiries to sales@noortekllc.com or FAX No. +(484) 906-7887
PERFORMANCE SPECIFICATIONS:

- Life raft, LRU-15/A, 20-person capacity
- Overall outside dimension: Length 34" x Width 10" x Height 20"
- Capable of airdrop from helicopter to persons in water from altitude of 30' to 100'
- Capable of deployment by one-person via single point release
- Overall weight 110 lbs
- Easily transported by 1 or 2 persons
- Life raft is protected from exposure to foreign matter, abrasions & punctures
- Life Raft Environmentally Packaged to decrease Maintenance cycles & maintenance costs
- Overall packed volume reduced from existing 20-person life raft configuration
- Life raft can be removed/installed in Aircraft without the use of special tools, by one person
- Life raft suspension system will withstand a 30-G load force on all axes
- Life raft will store in rear seat location of CH-47 without degrading performance of aircraft
- Operation or completion of mission requirements
- Installation on Aircraft will not adversely affect Weight & Balance
- Life raft Canister clearly marked for proper ID & operation of the raft for manual deployment
- Life raft Canister finished to maximize or minimize visibility as required
The HARD 7-10 is a unique Life Raft system, designed to provide total protection.

- **RUGGED CANISTER**
  Dimensions: 26" x 16" x 8 ½ "

- **SINGLE-POINT RELEASE**

- **AIR-DROP PABLE FOR RESCUE**

- **TSO APPROVAL PENDING**

- **SURVIVAL KIT - FAR 121 KIT**

- **LIFE RAFT**
  FAA TSO-C70a TYPE I Approved.
  Model No.: R1500-101

  121 Survival Kit, Standard Canopy & Boarding Ramp.
  Packing Dimensions: Length 26" x Width 15" x Height 8"

- **CASE DESIGN**
  Dimensions: 26" x 16" x 8 ½ "

  Orange Poly material with Four (4) plastic hinges two split, two pinned. Two stainless steel handles: one side and one top. Bumper Plates on side to ensure hinges do not contact ground. 1/2-inch foam inside top and 1-inch open cell foam on bottom. Polyethylene or plastic panels on sides and ends to protect the raft from contact with the case valance.

  Inflation system gage visible through window in case.

  Optional environmental packaging 3 to 5 years Maintenance cycle. Single point release incorporated. IAW with TSO C70a requirements. TSO approval of the system is Pending.
The **FLO-4370-HD** Hard 7-10 Life Raft System should be securely mounted to the airframe. There are 2 straps (P/N: FLO-4370-15) provided for this purpose. If the system cannot be secured with straps it must be stowed in a secure compartment.

**R1500-101 Survival Kit-121 Contents List**

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<thead>
<tr>
<th>Qty</th>
<th>P/N</th>
<th>Title</th>
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<tbody>
<tr>
<td>1</td>
<td>R0989-101</td>
<td>ACCY CASE</td>
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<tr>
<td>1</td>
<td>RE1043-9</td>
<td>POLYBAG, 23 IN. x 45 IN., .004 IN. THK.</td>
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<tr>
<td>1</td>
<td>R1515-5</td>
<td>CORD TIE 48 IN</td>
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<tr>
<td>1</td>
<td>R1515-6</td>
<td>SEAM TAPE 24 IN</td>
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<tr>
<td>1</td>
<td>P0028-107</td>
<td>WHISTLE</td>
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<tr>
<td>1</td>
<td>RE1015-2</td>
<td>SURVIVAL MANUAL</td>
</tr>
<tr>
<td>1</td>
<td>RE1114-103</td>
<td>LIGHT, WATER ACTIVATED</td>
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<tr>
<td>1</td>
<td>RE1002-105</td>
<td>SIGNAL MIRROR ASSY</td>
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<tr>
<td>1</td>
<td>RE1003-101</td>
<td>DYE MARKER ASSY</td>
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<td>1</td>
<td>RE1004-101</td>
<td>KNIFE, UTILITY, ASSY</td>
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<td>1</td>
<td>RE1006-101</td>
<td>REPAIR KIT, CLAMP</td>
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<td>1</td>
<td>RE1007-101</td>
<td>FISHING KIT W/GLOVES</td>
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<tr>
<td>1</td>
<td>RE1013-102</td>
<td>FIRST AID KIT NO. 2, POLYBAG PACKED</td>
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<tr>
<td>1</td>
<td>RE1118-1</td>
<td>SPONGE</td>
</tr>
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<td>1</td>
<td>R0064-101</td>
<td>BAILING BUCKET</td>
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<td>1</td>
<td>RE1000-105</td>
<td>RAFT MANUAL</td>
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<tr>
<td>1</td>
<td>R0054-201</td>
<td>HANDPUMP ASSY</td>
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<td>2</td>
<td>RE1068-1</td>
<td>FLARE, DAY/NIGHT</td>
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<td>2</td>
<td>RE1170-101</td>
<td>RATIONS, SURVIVAL PACKAGE</td>
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<tr>
<td>3</td>
<td>RE1105-1</td>
<td>SEA SICKNESS TABLETS, PACK</td>
</tr>
<tr>
<td>6</td>
<td>RE1115-101</td>
<td>WATER PACKAGE</td>
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</table>
NEW! HARD 4 LIFERAFT with SURVIVAL KIT

- **RUGGED CANISTER**
- **SINGLE-POINT RELEASE**
- **AIR-DROPPABLE FOR RESCUE**
- **TSO APPROVAL PENDING**
- **SURVIVAL KIT - FAR 121 KIT**

**LIFE RAFT**

*FAA TSO-C70a TYPE II Approved. Model No.: T4, P/N: R0101A104*


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LIFE RAFT

LIFE RAFTS FAA-TSO C70a TYPE II APPROVED

SINGLE TUBE

Non-Transport Series single tube life rafts are intended for crewmember and passenger use aboard aircraft during over water emergencies. These rafts are comprised of a circular flotation tube compartmentalized into two chambers by vertical bulkheads and a fabric deck which is attached to the tube structure. Neoprene coated nylon fabric is used throughout each raft design. A combination life line/grasp line assists in boarding.

These life rafts have a lanyard-activated, manually-operated carbon dioxide (CO2) inflation system. A manually-operated hand pump, secured to the boarding station handle affords full inflation, or topping off of the flotation chambers, if required. Each of the two compartmentalized chambers is maintained to equal pressure by individual pressure relief valves - one in each chamber.

Miscellaneous accessories are contained about the raft perimeter. Appropriate instructions for the use of these accessories are printed on the tube and deck. A raft instruction manual is tied to the boarding handle on the deck.

Each raft has a canopy which is stowed with survival kit items that are contained in a red or yellow accessory case attached by a line to a raft life line loop. The canopy contains a door opening with a roll up door cover and a rainwater collector in the top or roof panel. Canopy rods and a center mast are provided to support the canopy when it is erected. The canopy, its center mast and supporting rods are encased in a protective bag. Canopy sides can be raised or lowered as required. In the Non-Transport Series rafts which have Federal Aviation Regulation (FAR) Part 135 survival equipment, the raft has a radar reflector which is an integral part of the canopy. Life rafts with survival equipment under FAR part 121 rules do not require, and thus do not have, a radar reflector unless ordered as special option.

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>MODEL PART NO.</th>
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<tbody>
<tr>
<td>2 PERSON</td>
<td>T-2 FLO-4302</td>
</tr>
<tr>
<td>4 PERSON</td>
<td>T-4 FLO-4303</td>
</tr>
<tr>
<td>6 PERSON</td>
<td>T-6 FLO-4353</td>
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<tr>
<td>9 PERSON</td>
<td>T-9 FLO-4409</td>
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</table>

OPTIONS AVAILABLE:
- Customized Survival Kits & Watermakers
- Custom Packs Available

See NEXT PAGE for Life Raft/ Survival Kit P/N’s.

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## LIFE RAFT

<table>
<thead>
<tr>
<th>Raft Capacity</th>
<th>Overload Capacity</th>
<th>Total Tube Buoyancy</th>
<th>Total Deck Area per Person</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>3</td>
<td>340 lbs (145.09 kg)</td>
<td>3.7 sq. ft. (0.34 sq m)</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
<td>881 lbs (399.62 kg)</td>
<td>3.7 sq. ft. (0.34 sq m)</td>
</tr>
<tr>
<td>6</td>
<td>9</td>
<td>1368 lbs (620.52 kg)</td>
<td>3.60 sq. ft. (0.33 sq m)</td>
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<tr>
<td>9</td>
<td>13</td>
<td>676 lbs. (760.23 kg)</td>
<td>3.7 sq. ft. (0.34 sq m)</td>
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### LIFE RAFT

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PACK SIZE</th>
<th>WEIGHT</th>
<th>SURVIVAL KIT</th>
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<tbody>
<tr>
<td>T-2 LIFE RAFT, P/N: FLO-4302-</td>
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<td></td>
<td></td>
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<tr>
<td>-101........</td>
<td>15&quot; x 13&quot; x 5&quot;</td>
<td>23.5 lbs</td>
<td>A/2 121 w/Radar Reflect. Canopy</td>
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<td>-103........</td>
<td>15&quot; x 13&quot; x 7&quot;</td>
<td>26 lbs</td>
<td>B/2 135, Standard Pack</td>
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<td>-105........</td>
<td>15&quot; x 13&quot; x 5&quot;</td>
<td>23.5 lbs</td>
<td>C/2 121, Standard Pack</td>
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<tr>
<td>-107........</td>
<td>15&quot; x 13&quot; x 5&quot;</td>
<td>23.5 lbs</td>
<td>D/2 Special 121/JAR OPS 1</td>
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<td>T-4 LIFE RAFT, P/N: FLO-4303-</td>
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<tr>
<td>-101........</td>
<td>15&quot; x 13&quot; x 7&quot;</td>
<td>33 lbs</td>
<td>A/4 121 w/Radar Reflect. Canopy</td>
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<td>-102........</td>
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<td>36 lbs</td>
<td>B/4 135 Standard Pack</td>
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<td>-105........</td>
<td>15&quot; x 13&quot; x 7&quot;</td>
<td>33 lbs</td>
<td>C/4 121 Standard Pack</td>
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<tr>
<td>-107........</td>
<td>15&quot; x 13&quot; x 7&quot;</td>
<td>33.5 lbs</td>
<td>D/4 Special 121/JAR OPS 1</td>
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<td>-101........</td>
<td>27&quot; x 8.5&quot; x 8.5&quot;</td>
<td>42 lbs</td>
<td>A/6 121 w/Radar Reflect. Canopy</td>
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<td>30&quot; x 10&quot; x 9&quot;</td>
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<td>B/6 135 Standard Pack</td>
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<td>46.5 lbs</td>
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### NOTES:
- Dimensions & weights shown are nominal and do not allow for pack expansion and swelling.
- Tolerances of actual pack dimensions:
  - For Dimensions of 5.5 inches & less = -0.25/+ 1.0 inches / For Dimensions greater than 5.5 inches= +/- 0.5 inches.
  - For Stowages compartment clearance, allow additional 0.5 to 1.5 inches in excess of final pack dimensions.
  - Tolerance of actual pack weight = +/- 3.0 lbs.
  - Allow additional 2.0 to 4.0 lbs weight when ELT installed.

Address Inquiries to sales@noortekllc.com or FAX No. +(484) 906-7887
Compact, Lightweight Offshore Life Rafts for Sailor’s and Racers

T-10 rafts provide superior performance in a smaller, lighter package. Buoyancy tubes are made from two-ply FAA approved, neoprene rubber coated fabric. These rafts feature inflatable boarding ramps for easy entry, self-erecting canopies, and insulated double floors for insulation. Composite inflation cylinders help keep the weight low. Packed in soft fabric valise.

These rafts also include these deluxe features:

- Automatic erecting heavy duty canopy made for 200 Denier nylon.
- Canopy colored bright fluorescent orange outside and soothing blue inside to prevent sunlight from shining through leading to sea sickness.
- Flashlight (2 x AA lithium battery size) mounted inside to canopy arch for quick access.
- Interior, lithium powered light mounted to canopy arch. Light activates automatically upon inflation and can be turned off in daytime to conserve battery life.
- Two (2) adjustable position storage bags each with two individual pockets.
- Black seam tape on all tube corners for added strength.
- Instruction markings screen printed to placards mounted on life raft tube.

### CAPACITY MODEL

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<th>T-10 AS</th>
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<tr>
<td>Overload Capacity</td>
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See NEXT PAGE for Life Raft Specifications
LIFE RAFT

CAPACITY:
Rated: 10 Persons
Overload: 15 Persons

APPROVAL:
FAA TSO-C70a, Type I

COLOR:
Tube: Yellow
Canopy: Fluorescent red
Stabilizing bags: Fluorescent red

RAFT TUBE DIAMETER:
11.25" (285.75 mm)

CANOPY ARCH TUBE DIAMETER:
6.0" (152 mm)

INFLATED VOLUME:
(At 1.50 psig)
Tube 1: 18.01 ft³ (0.510 m³)
Tube 2: 18.01 ft³ (0.510 m³)
Canopy Arch Tube: 2.11 ft³ (0.059 m³)
Boarding Ramp Tube: 1.14 ft³ (0.032 m³)
Total: 39.27 ft³ (1.11 m³)

TUBE VOLUME PER PERSON:
(At rated capacity)
3.60 ft³ (0.102 m³)

TOTAL TUBE BUOYANCY:
(Excluding raft floor)
2247 lbs. (1019.5 kg)

BUOYANCY PER PERSON:
(At rated capacity, excluding raft floor)
224 lbs. (101.9 kg)

TOTAL DECK AREA:
36.0 ft² (3.34 m²)

DECK AREA PER PERSON:
(At rated capacity)
3.6 ft² (0.334 m²)

STABILIZING BAGS:
Volume: 5 x 1.6 ft³ (5 x 0.045 m³)
Water Ballast Weight Provided:
5 x 99.8 lbs. (5 x 45.27 kg)

TUBE OPERATING PRESSURE:
Minimum: 1.5 psig (0.103 bar)
Nominal: 2.0 psig (0.138 bar)
Maximum: 3.0 psig (0.207 bar)

PRESSURE RELIEF VALVES:
Open: 3.0 psig (0.207 bar)
Close: 2.0 psig (0.138 bar)

TUBE BURST PRESSURE:
Over + 10 psig (+0.69 bar)

INFLATION SYSTEM:
Cylinder Type:
DOT E 11194-4500,
TC-SU 5303 310
Carbon and Glass Fiber Composite
Charge Pressure: 4500 psig

ENVIRONMENTAL LIMITS:
Temperature:
Functional Range: -40 to 140 °F (-40 to 60 °C)
Storage Range: -65 to 160 °F (-54 to 71 °C)
Humidity:
Up to 95% relative humidity.
Altitude:
-2000 to 45,000 ft. above sea level.

SERVICE LIFE:
Indefinite if raft continues to pass periodic maintenance inspection.

FREQUENCY OF INSPECTION:
Every 3 years, maximum.
LIFE VEST

P/N: P0723E105P
- Lightweight.
- This twin cell, single attachment, single adjustment vest had become the industry standard.
- 5 year frequency of inspection.

P/N: P0723-XXX
- Lightweight.
- This twin cell, vest comes with 35 lbs. of buoyancy for adults of all sizes. This model is designed with back panels and has received approvals from countries all over the globe.
- 5 year frequency of inspection.

P/N: P01074-XXX
- Extra Lightweight.
- This XF-35 is the world’s lightest weight twin-cell vest, only 1.13 lbs (513 grams). Offers significant fuel savings to operators wishing to stay with the added security of a twin-cell life vest.
- 5 yr. frequency of inspection
- 10 yr. frequency of inspection available.

P/N: P01202-XXX
- Ultra Lightweight.
- This single cell vest is the lightest weight aviation vest in the world, weighing only .9 lbs (410 grams).
- 5 year frequency of inspection
- 10 year frequency of inspection available.

Also offer Extra lightweight, twin-cell version of the Classic KSD-35L8

Address Inquiries to sales@noortekllc.com or FAX No. +(484) 906-7887
We assemble three types of 20-Man Survival Kits designed specifically for sea survival of up to 20 persons. They can be air dropped independently or in conjunction with a life raft. The containers, made of waterproof material, include extra space for items related to specific local climatic conditions.

We offer the SK20M3 Survival Kit (P/N LS-201-000) Lockheed's 20-Man Survival Kit (P/N LS-201-00) and a survival kit per MIL-S-6330H Type III, LSI P/N SUR-8003-00.

The components of the survival kits are prepared and packed in accordance with Air Force Technical Order 14S-1-102.

Following are some components you may find packed within the kits:

- Desalter Kits
- Food Rations
- Fishing Kit
- Signaling Devices
- Sunburn Ointment
- Cord
- Water Storage Bags
- Type III Pump
- First Aid Kits
- Sea Dye Markers
- Survival Manual
- Reverse Osmosis Pumps (available)
- Raft Repair Kits
- Bailing Bucket
- Compass
- Floating Raft Knife
- Sponge
- Knife
Helicopter Protective Covers

Soap Foamer
This new and improved M1D-TP builds on the success of the M1D by increasing the tank size to 100 gallons of premixed solution allowing for double the foam time in-between fill ups. The 7HP diesel air sled powers the foam unit and allows the operator to quickly foam down any size aircraft. This unit fits well in deployed situations where compressed air is not available. The new frame and steering system allow for easy towing.
This 25 gallon portable foam unit offers innovative new features and ergonomics for foaming your military assets. This unit will allow the operator to clean faster and more efficiently in any foaming situation. In the event that this unit does not meet a specific application, our innovative team is dedicated to building custom equipment solutions for our customers.
This 50 gallon portable foam unit offers innovative new features and ergonomics for foaming your military assets. This unit will allow the operator to clean faster and more efficiently in any foaming situation. In the event that this unit does not meet a specific application, our innovative team is dedicated to building custom equipment solutions for our customers.

**Portable Foam Unit**

**SPECIFICATIONS:**
- Ergonomic design featuring 4 wheels
- Santoprene, Viton, or Teflon pumps
- 50 feet of foam hose
- 50 gallon capacity
- Drain feature allows for easy emptying

*Item Number: PF 50*
HELICOPTER BELLY FOAM UNIT

ADVANTAGES OF FOAM

- Foam eliminates the need for high pressure cleaning
- Foam provides maximum contact time for chemical effectiveness
- Foam reduces the amount of labor needed to clean the aircraft
- Foam offers savings in chemical and water usage

Helicopter Belly Foam Unit

Includes stainless steel disconnects for easy storage and transport

Item Number: HBF

The Helicopter Belly Foamer is designed to roll under the helicopter and foam the underside of the airframe. This foam attachment can be used on multiple airframes and saves labor by eliminating the need for creepers and brushes. It can be quick coupled into any foam unit to quickly change a standard foamer into a belly foamer.

Address Inquiries to sales@noortekllc.com or FAX No. +(484) 906-7887
PROTECTION FROM THE ELEMENTS

Protective Cover Features

- **Waterproof/Weatherproof** = Protects against rain and snow.
- **Hydrophobic** = Will not absorb water thus will not freeze.
- **Highly Breathable** = Eliminates “green house effect” and thus radically reduces moisture damage that causes corrosion, mold and mildew, and heat build up under a cover.
- **Sand Proof** = Sand and dust proof with greater than 99.97% rejection of .03 microns or larger (Sand in theater is .1 micron).
- **Windscreen Protection** = Reduces abrasion and scratching to windscreen.
- **Light Weight / Pack-able / Easy to handle / Fit** = Easy on/off and easy to pack means makes it more likely soldier will use.
- **UV Resistant** = Projected life 36 months of 24/7 use.
- **Durable** = Tested for wind forces up to 120mph.
- **Chemical Resistant to Equipment Fluids** = Tested against lubricants and fuels with no impact to performance.
- **Cleanable** = Cleaned with soap by hose or by washing machine.
PROTECTIVE COVERS

Littlebird Windscreen Protective Cover

Weapons Protective Cover
Chinook Protective Covers in Extreme weather
The covers are hydrophobic thus will not freeze

Complete Set of CH-47 Covers in Stuff Sacks (19 covers)

Cover List
- Nose Cover
- Console Cover
- FLIR Cover
- Engine Left Cover
- Engine Right Cover
- Engine Exhaust Cover-R
- Engine Exhaust Cover-L
- Rotor Hub Front Cover
- Rotor Hub Att Cover
- ALO Cover
- C Box Cover
- MMR Vent Cover
- Fwd Trans. Intake Vent
- Fwd Trans. Exhaust Vent
- Chaff Bucket Left Cover
- Chaff Bucket Right Cover
- Flare Bucket Double Cover-L
- Flare Bucket Double Cover-R
- Refueling Probe Tip Cover

Address Inquiries to sales@noortekllc.com or FAX No. +(484) 906-7887
Apache Longbow Weapon System

Cover Features

- Waterproof/Weatherproof = protects against rain and snow.
- Highly Breathable = eliminates “green house effect” and thus radically reduces moisture damage that causes corrosion, electronic failures, mold and mildew.
- Sand Proof = sand and dust proof with greater than 99.97% rejection of .03 microns or larger protecting gear in theater. (Note Iraq sand is .1 micron).
- Windscreen Protection = materials selected to reduce cover abrasion /scratching to windscreen and coatings.
- Light Weight / Pack-able / Easy to handle / Fits... easy on/off and easy to pack means makes it more likely soldier will use.
- UV Resistant = projected life 36 months of 24/7 use in areas like Iraq, Arizona, and South Korea
- Durable = tested for wind forces up to 120mph
- Chemical Resistant to Equipment Fluids = tested against lubricants and fuels with no impact to performance
- Field Clean = can be cleaned in field with soap by hose or washing machine
Equipment Protective Covers Cover
(spider crane)

Patriot Missile Mark II Protective Canister Cover
Spare Parts

- Aircraft Control Cables
- Actuators
- Adhesives
- Oils, Sealants
- Tapes
- Bearings
- Medium to Large Housings, Spherical Bearings and Case Hardened parts.
- Boots
- Cable Assy./Wire Products
- Couplings/Hose Assy./Valves
- Fitting Assy.
- Bell Cranks
- Lamp Assy.
- Rings
- Seals
- Plugs, Valves, Screens
- Pressure Switches
- Rubber, Gaskets,
- Adhesives, Retainers
- Sensors
- Switches
- Programmable Meters & Relays
- Shims/washers
- Strap Webbing
- Tube Assy./Support

Address Inquiries to sales@noortekllc.com or FAX No. +(484) 906-7887
Helicopter flight maneuvers generate high misalignment between the engine and the transmission, which must be accommodated by the connecting driveshaft. Such driveshafts, which rotate at speeds over 6000 RPM, often incorporate grease lubrication and seals. Designs of this type are susceptible to loss of lubrication, which results in overheating and possible failure, a major safety concern.

The KAflex driveshaft is a mechanical drive coupling which requires no lubrication or seals, and transmits power while accommodating high angular misalignment and length change through the use of flexible rectangular frames. These frames are bolted together at the corners in a truss-like arrangement, which are attached to shaft end fittings to allow for drop-in installation in the drive line. A fail-safe feature enables the coupling to continue to transmit power even in the unlikely event of a failure in a load carrying member.

KAflex driveshafts are custom designed for specific applications and selected because they offer superior, maintenance-free performance with extended "on condition" service-life, resulting in unequaled reliability, increased readiness and cost effectiveness. They are supplied both as individual couplings or as complete driveshafts.

**FEATURES**
- No lubrication required
- Superior misalignment capability
- Built-in Fail-safe
- High torque capacity
- Rugged construction
- Damage tolerant
- Repairable

**BENEFITS**
- Extended service life
- Increased reliability
- Ease of inspection
- Cost effective
KAflex® ROTOR DRIVESHAFT

KAflex® - the maintenance-free, non-lubricated driveshaft

APPLICATIONS

KAflex is used in the main and/or tail rotor driveline of the:

Commercial:
205, 260B, 206LT, 206L1, 206L3, 206L4, 407, 427, EH101, NH90, AB139, BO105, BO108, EC135, MD500, MD520 (NOTAR), MD600N, 300, K-Max, ALH

Military:

Ships and Others:
PHM Hydrofoil
DD963 Destroyer Oil Pump
FMC Bradley Fighting Vehicle

KAflex: With over 20,000 in service worldwide, KAflex driveshafts have accumulated in excess of 25,000,000 maintenance-free flight hours

KAflex® is a registered trademark of Kamatics Corporation

Address Inquiries to sales@noortekllc.com or FAX No. +(484) 906-7887
NOORTEK supplies thousands of spare parts, including: aircraft cables, fittings, stringers, formers, cable-hose-tube assemblies, landing gear and gear box components. Engine parts, brakes, connectors, relays and various other electronic and aircraft components.

**KAron® Bearings**

**AIRCRAFT SPARES**

**AIRCRAFT CONTROL CABLES**

There is a very specialized form of aircraft control cable known as lockclad. Lockclad control cable consists of aircraft cable conforming to MIL-DTL-83420 over which is swaged an aluminum tube of proper thickness and length. This combination provides several advantages.

1) It lowers the creep stretch.
2) The smooth cylindrical surface provides for closer sealing through pressure walls.
3) It dampens the vibration of the cable.
4) It provides a higher coefficient of thermal expansion.

**NOORTEK supplies OVER 3,000 Hoses and Fittings Part Numbers**

**NOORTEK supplies all MIL Spec. connectors and electrical cables**

Address Inquiries to sales@noortekllc.com or FAX No. +(484) 906-7887
# BLADE TIE DOWN

## Aircraft Components

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Address Inquiries to sales@noortekllc.com or FAX No. +(484) 906-7887
**Custom swivels made to customers requirements.**

### SWIVEL SPECIFICATIONS

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