



Hewitt®

AVIATION FUELING PRODUCTS

SETTING A HIGHER STANDARD:

Aviation Fueling Products



 **Husky** : A BREED APART®



As a leading manufacturer of aviation fueling products, including hoses and accessories, Hewitt is taking its reputation for product and service excellence to the next level as a part of Husky Corporation. From fueling and defueling hoses to couplings and adaptors for aviation hose assemblies, depend on Hewitt for high-performance solutions that serve the demanding public and private aviation industries. Take a closer look at the aviation innovations we can offer your operation.

Hewitt 4113 Aviation Fueling Hose

Used in the fueling of commercial and private aircraft.

This aviation fueling hose is recommended for all types of riser deck, reel, and hydrant hose applications. Resistant to jet fuel and higher aromatic aviation gasolines. Meets both EI 1529, and European Standard EN ISO 1825, Type C, Grade 2, plus NFPA 407. Operability within a temperature range of -22° F to + 149° F (-30° C to +65° C). Hose will not be impaired by exposure to temperature range of -40° F to +158° F (-40° C to + 70° C).

All aviation hose assemblies are 100% hydrostatic tested to 600 PSI and inspected for electrical continuity. Every hose receives a unique serial number and test certificate. Utilized worldwide by major airlines and oil companies.



CONSTRUCTION:

- **Tube:** Black nitrile synthetic rubber
- **Reinforcement:** Spiral-plyed synthetic fabric
- **Cover:** Black neoprene static dissipating/static conductive synthetic rubber

Hewitt 4113CT Cold Temperature Aviation Fueling Hose

Used in the fueling of commercial and private aircraft.

This aviation fueling hose is recommended for all types of riser deck, reel, and hydrant hose applications. Resistant to jet fuel and higher aromatic aviation gasolines. Meets EI 1529, EN ISO 1825, Type CT, Grade 2, plus NFPA 407 and MIL-DTL-6615G. Operability within a temperature of -67°F to +158°F (-55°C to +70°C).

receives a unique serial number and test certificate. Utilized worldwide by major airlines and oil companies.



CONSTRUCTION:

- **Tube:** Black nitrile synthetic rubber
- **Reinforcement:** Spiral-plyed synthetic fabric
- **Cover:** Black neoprene static dissipating/static conductive synthetic rubber

Available Aviation Couplings for 4113, 4113CT and 5500

Qualified to EI 1529 and EN ISO 1825

Permanent Couplings: Internally expanded brass NPT Male NPT and female NPS threads (swivel nuts on female fittings). Standard on ¾" to 3" ID hose.

Swaged stainless Male NPT insert with zinc plated ferrule. Standard on 4" ID hose.

Available options: 4" ID brass internally expanded male NPT or Female NPS. 4" ID fixed and swivel flanges.



Reusable Couplings: 4-bolt aluminum clamps with brass, tin plated brass, or stainless inserts. NPT male, Female NPSH (swivel nut), BSP Male, BSP Female (swivel nut).

Available Options: Fixed and swivel Flanges, Step up fittings in 1¼", 1½", 2" and 2½" ID's.

Hewitt 5500 Premium JacRiser Fueling/Defueling Hose



Used in riser connection of aviation refuelers, hydrant cart servicers, and tank farm connections.

Hewitt's new 5500 premium fueling and defueling hose was designed to achieve more than twice the cycle flexing capabilities (124,000 plus cycles) as compared to Hewitt's previous product and is a must for the rugged requirements of the flexible connection between the hydrant cart or refueler chassis and the adjustable riser platform for servicing today's large aircraft. Resistant to jet fuel and higher aromatic aviation gasolines. Meets both EI 1529, and European Standard EN ISO 1825, Type E, Grade 2, plus NFPA 407. Suitable for full vacuum services and high flex applications.

Operability within a temperature range of -22° F to + 149° F (-30° C to +65° C). Hose will not be impaired by exposure to temperature range of -40° F to +158° F (-40° C to + 70° C).

All aviation hose assemblies are 100% hydrostatic tested to 600 PSI and inspected for electrical continuity. Every hose receives a unique serial number and test certificate.

CONSTRUCTION:

- **Tube:** Black nitrile synthetic rubber
- **Reinforcement:** Spiral-plyed synthetic fabric with dual helix and static dissipating wires
- **Cover:** Black neoprene dissipating/static conductive synthetic rubberconductive synthetic rubber

Hewitt Protective Hose Coils, Hose Wrap, and Hose Beads

Used to extend hose life, prevent kinking and reduce abrasion.

Hewitt has a wide variety of protective hose products available. Hewitt protective white hose coils are excellent for extending hose life, preventing kinking on deck and reel hoses and reducing abrasion to the hose cover. Installing the coils at the hose reel outlet riser will prevent hose collapse and maintain



high fuel flow. Each hose coil will cover from 2 to 4 feet. Coils available to fit 1" to 4" ID aviation hose. Also available are extra tough urethane hose protectors for all hose ID's as well as tough yellow hose beads which can be installed every 3 feet on reel hoses.

Hewitt Twin 3/8" Sensing Hose

Used in connection of aircraft servicers and airport hydrants and sensing control systems.



This sensing hose serves as an integral assembly to connect aircraft servicers to airport hydrant reference and sensing control systems. Vertically braided textile, twinned 3/8" diameter yellow and green hose is vulcanized.

Hewitt Twin 1/4" Deadman Hose

Used in connection of deadman control during aircraft servicing.



This deadman hose serves as an integral assembly for use as connection to the deadman control valve. Vertically braided textile, twinned 1/4" diameter red and green hose is vulcanized.

Adaptors For Aviation Hose Assemblies

- Male and female cam and groove (mil spec and anodized available).
- Step up female NPT x male NPT bushings in any size.

- Fixed Flanges TTMA and 150 lb.
- Aluminum, brass, and stainless. All adaptors installed with sealant and tested to adaptor ratings.

Falcon Nozzles with Screw In Spout or Quick Disconnect Spout Design

Manual shut-off nozzle for over-the-wing fueling of aircraft.



- Specifically designed for business and private over-the-wing aviation fueling.
- Available with either screw in spout or quick disconnect spout for easy access to 100 mesh filter.
- Choice of 1 $\frac{3}{8}$ " Round spout (Jet or Avgas) or Jet Duckbill spout.
- Anodized black for Jet, Anodized Red for AvGas.

Body: Aluminum

Seals: Fluorocarbon

Packing: Double o-ring seal protected by fiber reinforced Teflon®

Lever: One piece contoured steel

Inlet: 1 $\frac{1}{2}$ " (38mm) Female NPT 1 $\frac{1}{2}$ " (38mm) Female BSPP
 1 $\frac{1}{4}$ " (32mm) Female NPT 1 $\frac{1}{4}$ " (32mm) Female BSPP

Osprey and Osprey S Nozzle

Automatic shut-off nozzle for over-the-wing fueling of aircraft.



- Specifically designed for business and private over-the-wing aviation fueling.
- Osprey nozzle automatically shuts off when wing tanks are full.
- Nozzle comes with red full grip guard to identify use only with AvGas or black full grip guard for jet fuel application if desired.
- Easy to remove and clean 100 mesh SS fuel filter assembly.
- Osprey S nozzle prevents draining of fuel from fueling hose. The nozzle shuts off when the pump shuts off, the fuel tank is full or the lever is opened before the pump is turned on.

Body: Aluminum

Seals: Fluorocarbon

Packing: Double o-ring seal protected by fiber reinforced Teflon®

Lever: One piece contoured steel

Inlet: 1" / 25.4 mm NPT

Hewitt 4113 Aviation Fueling Hose

ID	NOM OD		MAX WP		WEIGHT		
IN	MM	IN	MM	PSI	MPA	LB/FT	KG/M
3/4"	19	1.267	32.2	300	2.07	0.45	0.674
1"	25	1.493	37.9	300	2.07	0.54	0.804
1 $\frac{1}{4}$ "	32	1.778	45.2	300	2.07	0.70	1.045
1 $\frac{1}{2}$ "	38	2.040	51.8	300	2.07	0.84	1.251
2"	50	2.595	65.9	300	2.07	1.22	1.815
2 $\frac{1}{2}$ "	63	3.174	80.6	300	2.07	1.66	2.473
3"	75	3.674	93.3	300	2.07	1.95	2.907
4"	102	4.931	125.0	300	2.07	3.48	5.180

Hewitt 4113CT Aviation Fueling Hose

ID	NOM OD		MAX WP		WEIGHT		
IN	MM	IN	MM	PSI	MPA	LB/FT	KG/M
1"	25	1.457	37	300	2.07	0.54	0.80
1 $\frac{1}{4}$ "	32	1.732	44	300	2.07	0.67	1.00
1 $\frac{1}{2}$ "	38	2.008	51	300	2.07	0.81	1.20
2"	50	2.598	66	300	2.07	1.28	1.90
2 $\frac{1}{2}$ "	63	3.110	79	300	2.07	1.61	2.40
3"	75	3.583	91	300	2.07	1.88	2.80

Hewitt 5500 JacRiser Fueling/Defueling Hose

ID	NOM OD		BEND RADIUS	MAX WP		WEIGHT		
IN	MM	IN	MM	IN	PSI	MPA	LB/FT	KG/M
1 $\frac{1}{2}$ "	38	2.25	57.1	6	300	2.07	1.31	1.95
2"	50	2.75	69.8	8	300	2.07	1.74	2.59
2 $\frac{1}{2}$ "	63	3.31	84.1	10	300	2.07	2.21	3.28
3"	75	3.81	98.6	12	300	2.07	2.93	4.36
4"	102	4.97	126.2	16	300	2.07	4.40	6.55

Twin 3/8" Sensing – Spec 7140

Green and Yellow Hose*

Tube: Aviation Buna-N **Cover:** Neoprene; 250 psi WP

ID (IN)	ID (MM)	SPIRALS	OD (IN)	OD (MM)	LB/FT	KG/M
3/8"	9.5	2	2 $\frac{1}{32}$ "	16.6	0.29	0.43

Fittings: Crimped on male or female swivels

Options: Available in cut lengths assembled or in bulk (approx. 700 ft. per reel)

Twin 1/4" Deadman – Spec 7139

Green and Red Hose*

Tube: Aviation Buna-N **Cover:** Neoprene; 200 psi WP

ID (IN)	ID (MM)	SPIRALS	OD (IN)	OD (MM)	LB/FT	KG/M
1/4"	6.4	2	3 $\frac{3}{64}$ "	13.5	0.19	0.28

Fittings: Crimped on male or female swivels

Options: Available in cut lengths assembled or in bulk (approx. 700 ft. per reel)

* Not covered under EI 1529 or EN ISO 1825

For complete details, contact Hewitt today at 855-HEWITT5 or sales@hewitthose.com

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