Aircraft Fueling

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Platinum JAC Riser Hose

Product Specifications

Application
Platinum JAC Riser is designed for aircraft refuelers equipped with moveable service platforms to act as a flexible connection between the platform and the refueling truck. Use this hose for commercial and private aircraft fueling/defueling of avgas and jet fuel.

> In a flex test of repetitive bend cycles, the leading competitor's JAC Riser product broke down at 63,600 cycles, which resulted in tube and ply separation, loss of electrical conductivity and overall kinking.

> After 124,000 cycles on the same test, the Platinum JAC Riser had no tube separation, maintained its electrical conductivity and experienced no kinking. The test was stopped at 124,000 cycles and the integrity of the hose was still intact.

> JAC Riser complies with EI 1529/2014 and ISO1825:2010 Type E Grade 2.

Construction
> Tube
Black nitrile synthetic rubber
> Cover
Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber
> Reinforcement
Spiral-plied synthetic fabric with dual helix and static dissipating wires

Temperature Range
-35˚F to 200˚F (-37˚C to 93˚C)

Packaging
Coiled and poly-wrapped

Branding (Spiral)
Example: Continental ContiTech Platinum JAC RISER Aircraft Fueling/Defueling Hose NFPA 407 EI1529/2014 ISO1825:2010 Type E Grade 2 2000 kPa (300 psi) MAX WP

Order Codes
543-244

Platinum JAC Riser Hose

SAP #	ID		Nom. OD		Max. WP		Bend Radius		Vacuum HG		Weight	
	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
20737017	1½	38.1	2.18	55.4	300	2.07	6.0	152	29	737	1.27	1.89
20683391	2	50.8	2.72	69.1	300	2.07	8.0	203	29	737	1.74	2.59
20737018	2½	63.5	3.22	81.9	300	2.07	10.0	254	29	737	2.13	3.17
20683393	3	76.2	3.85	97.7	300	2.07	12.0	305	29	737	3.08	4.58
20672228	4	101.6	4.85	123.2	300	2.07	16.0	406	29	737	4.11	6.12

Hose design ratio (burst pressure) 4:1.

Wingcraft™

Product Specifications

Application
Wingcraft™ is for fueling or defueling* commercial and private aircraft. It handles jet fuel and the higher aromatic aviation gasolines. Its high working pressure permits use in fuel cart hydrant service. This hose meets EI 1529-7 edition. 2014 and NFPA Bulletin #407 (2017 revision).

Construction
> Tube
Black nitrile synthetic rubber
> Cover
Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber
> Reinforcement
Spiral-plied synthetic fabric

Temperature Range
-35˚F to 200˚F (-37˚C to 93˚C)

Packaging
Cut lengths, coiled and poly-wrapped

Branding
Example: Continental ContiTech Wingcraft™ Aircraft Fueling Hose NFPA-407 EI 1529/2014 Type C Grade 2 2000 KPA (300 psi) Max WP

Couplings
Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Non-Stock/Sizes
Custom lengths and fitting configurations available.

Order Codes
543-738 (1" to 3")
541-738 (4")

Wingcraft™

SAP #	ID		Nom. OD		Max. WP		Weight	
Black	**in.**	**mm**	**in.**	**mm**	**psi**	**MPa**	**lb./ft.**	**kg/m**
20018117	1	25.4	1.58	40.1	300	2.07	0.63	0.94
20018142	1¼	31.8	1.89	48.0	300	2.07	0.84	1.25
20016730	1½	38.1	2.13	54.1	300	2.07	0.96	1.43
20016784	2	50.8	2.72	69.1	300	2.07	1.43	2.13
20016778	2½	63.5	3.22	81.8	300	2.07	1.72	2.56
20190324	3	76.2	3.70	94.0	300	2.07	2.02	3.01
20016776	4	101.6	4.80	121.9	300	2.07	2.89	4.30

Hose design ratio (burst pressure) 4:1.
Note: Bulk hose and factory assemblies are hydrostatic tested to 600 psi and certified.
*Gravity defueling only.

Jet Ranger™

Product Specifications

Application
Jet Ranger™ is used in the fueling and defueling* of commercial and private aircraft. Resistant to jet fuel and higher aromatic aviation gasolines. Jet Ranger™ can also be used for hydrant service. This hose meets EI 1529-7 edition. 2014 and NFPA Bulletin #407 (2017 revision).

Construction
> Tube
Black nitrile synthetic rubber
> Cover
Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber (wrapped finish)
> Reinforcement
Four spiral-plied synthetic fabric and one nylon breaker

Temperature Range
-35˚F to 200˚F (-37˚C to 93˚C)

Packaging
Coiled and poly-wrapped

Branding (Spiral)
Example: Continental ContiTech Jet Ranger™ ISA 1825:2010/C/OMEGA NFPA 407 EI1529/2014 Type C Grade 2 2 1/2" 2000 kPa/20 bar/300 psi MAX WP

Couplings
Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Order Codes
541-742 (4")
543-742 (1" to 3")

Jet Ranger™

SAP #	ID		Nom. OD		Max. WP		Weight	
Black	**in.**	**mm**	**in.**	**mm**	**psi**	**MPa**	**lb./ft.**	**kg/m**
20018250	1½	38.1	2.06	52.3	300	2.07	0.86	1.28
20046710	1 31/32	50.0	2.57	65.3	300	2.07	1.14	1.70
20099968	2½	63.5	3.16	80.3	300	2.07	1.53	2.28
20018276	3	76.2	3.64	92.5	300	2.07	1.79	2.66
20016044	4	101.6	5.00	127.0	300	2.07	3.70	5.51

Hose design ratio (burst pressure) 4:1.
Note: Bulk hose is factory hydrostatic tested to 600 psi.
*Gravity defueling only.

Advantage™

Product Specifications

Application
Advantage™ Aircraft Fueling hose is for over- and under-the-wing fueling of commercial and private aircraft. This hose meets EI 1529-7 edition. 2014 and NFPA Bulletin #407 (2017 revision).

Construction
> Tube
Black nitrile synthetic rubber
> Cover
Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber (wrapped impression)
> Reinforcement
Two spiral-plied synthetic fabric and one breaker

Temperature Range
-35˚F to 200˚F (-37˚C to 93˚C)

Packaging
Cut lengths, coiled and poly-wrapped.

Branding
Example: Continental ContiTech Advantage™ Aircraft Fueling Hose NFPA407 EI1529/2014 Type C Grade 1 1 1/4" 1000 kPa (150 psi) MAX WP

Couplings
Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Non-Stock/Sizes
Custom lengths and female fitting configurations available.

Order Codes
543-429

Advantage™

SAP #	ID		Nom. OD		Max. WP		Weight	
Black	**in.**	**mm**	**in.**	**mm**	**psi**	**MPa**	**lb./ft.**	**kg/m**
20017874	1	25.4	1.55	39.4	150	1.03	0.60	0.89
20017880	1¼	31.8	1.81	46.0	150	1.03	0.72	1.07
20017889	1½	38.1	2.11	53.6	150	1.03	0.96	1.43

Hose meets API Bulletin 1529-6th edition, 2005, Grade 1, Type C and N.F.P.A. Bulletin #407 (2001 revision).
Hose design ratio (burst pressure) 4:1.
Note: Bulk hose and factory assemblies are hydrostatic tested to 300 psi and certified.

Deadman Aircraft Refueling

Product Specifications

Application
The double-line Deadman Refueling hose is for automatic shutoff at the operator end of aircraft hydrant and truck refueling systems. Used with pneumatic closed-circuit systems commonly referred to as single-point pressure refueling. Deadman hose is connected to air-actuated shut-off valves, that are controlled by the refueler technician at all times during aircraft refueling operations.

Construction
> Tube
Nitrile synthetic rubber, ARPM Class A (High Oil Resistance)
> Cover
Red/Green, Green/Yellow Chemivic synthetic rubber, ARPM Class A (High Oil Resistance)
> Reinforcement
Spiral synthetic yarn

Temperature Range
-20˚F to 140˚F (-29˚C to 60˚C)

Packaging
450'–750', maximum 3 pieces, minimum 35'

Branding (Spiral)
Permanent contrasting black ink on red/green hose.
Example: 1/4 ID Aircraft Fueling Deadman Made in USA Continental ContiTech

Couplings
Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Order Codes
569-601 (red/green)
569-692 (green/yellow)

Deadman Aircraft Refueling

SAP #		ID		Nom. OD		Max. WP		Weight	
Red/Green	**Green/Yellow**	**in.**	**mm**	**in.**	**mm**	**psi**	**MPa**	**lb./ft.**	**kg/m**
20027376	20477995	1/4	6.4	0.53	13.5	200	1.38	0.2	0.3

Hose design ratio (burst pressure) 4:1.

Refueling Sensing

Product Specifications

Application
The double-line Refueling Sensing hose is for use on pressurized aircraft hydrant fueling systems common at the larger metropolitan airports. The Sensing hose operates in a system where air and fuel from underground hydrants monitor the flow and pressure of fuel being pumped into the aircraft. The hose carries the deadman function (automatic safety shutdown) and pressure control signals from the dispensing vehicle to the hydrant pit control valve.

Construction
> Tube
Nitrile synthetic rubber, ARPM Class A (High Oil Resistance)
> Cover
Orange/black nitrile synthetic rubber, ARPM Class A (High Oil Resistance)
> Reinforcement
Spiral synthetic yarn

Temperature Range
-20˚F to 140˚F (-29˚C to 60˚C)

Packaging
450'–750' reels, maximum 3 pieces, minimum 35'

Branding
Permanent contrasting white ink on black hose.

Couplings
Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Order Codes
569-604 (orange/black)

Refueling Sensing

SAP #	ID		Nom. OD		Max. WP		Weight	
Orange/Black	**in.**	**mm**	**in.**	**mm**	**psi**	**MPa**	**lb./ft.**	**kg/m**
20027379	3/8	9.5	0.66	16.8	200	1.38	0.28	0.42

Hose design ratio (burst pressure) 4:1.