

AIRCRAFT FUELING



	Page	API 1529	NFPA	EN 1361	Static Dissipating Cover
Advantage™	148	Yes	Yes		Yes
Deadman Aircraft Refueling	149				
Jet Ranger™	147	Yes	Yes	Yes	Yes
Refueling Sensing	150				
Wingcraft™	146	Yes	Yes		Yes

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WINGCRAFT™



Product Specifications

- APPLICATION:** 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. Hose meets API Bulletin 1529–6th edition, 2005 and N.F.P.A. Bulletin #407 (2007 revision).
- CONSTRUCTION**
TUBE: Black Nitrile synthetic rubber
- COVER:** Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber
- REINFORCEMENT:** Spiral-plyed synthetic fabric
- TEMPERATURE:** -35°F to 200°F (-37°C to 93°C)
- PACKAGING:** Cut lengths, coiled and polywrapped
- BRANDING:** Example: Goodyear® Wingcraft™ Aircraft Fueling NFPA407, API/IP 1529/2005 Type C, Grade 2, 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:** (1" to 3") 543-738 (4") 541-738

WINGCRAFT™

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
1	25.4	1.58	40.1	300	2.07	0.63	0.94
1¼	31.8	1.89	48.0	300	2.07	0.84	1.25
1½	38.1	2.13	54.1	300	2.07	0.96	1.43
2	50.8	2.72	69.1	300	2.07	1.43	2.13
2½	63.5	3.22	81.8	300	2.07	1.72	2.56
3	76.2	3.70	94.0	300	2.07	2.02	3.01
4	101.6	4.80	121.9	300	2.07	2.89	4.30

Note: Bulk hose and factory's assemblies are hydrostatic tested to 600 psi and certified.

*Gravity defueling only.



JET RANGER™



Product Specifications

- APPLICATION:** Used in the fueling and defueling* of commercial and private aircraft. Resistant to jet fuel and higher aromatic aviation gasolines. Also for use on hydrant service. Meets both API 1529–6th edition, 2005 and European Standard BS EN 1361; 2004.
- CONSTRUCTION TUBE:** Black Nitrile synthetic rubber
- COVER:** Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber (wrapped finish)
- REINFORCEMENT:** Spiral-plyed (4) synthetic fabric and one nylon breaker
- TEMPERATURE:** -35°F to 200°F (-37°C to 93°C)
- PACKAGING:** Cut lengths, coiled and polywrapped
- BRANDING (SPIRAL):** Example: Goodyear® Jet Ranger™ EN 1361:2004/C/OMEGA, NFPA 407 API/IP 1529/2005 Type C, Grade 2, 2 1/2", 2000 Kpa/20 bars/300 psi MAX WP
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** (1" to 3") 543-742 (4") 541-742

JET RANGER™

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
1½	38.1	2.06	52.3	300	2.07	0.86	1.28
1¾	50.0	2.57	65.3	300	2.07	1.14	1.70
2½	63.5	3.16	80.3	300	2.07	1.53	2.28
3	76.2	3.64	92.5	300	2.07	1.79	2.66
4	101.6	5.00	127.0	300	2.07	3.70	5.51

Note: Bulk hose is factory hydrostatic tested to 600 psi.

*Gravity defueling only.

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ADVANTAGE™



Product Specifications

- APPLICATION:** Advantage™ Aircraft Fueling hose is for over- and under-the-wing fueling of commercial and private aircraft. It handles jet fuel and av-gas up to 50% aromatic content.
- CONSTRUCTION**
TUBE: Black Nitrile synthetic rubber
- COVER:** Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber (wrapped impression)
- REINFORCEMENT:** Spiral-plied (2) synthetic fabric and one breaker
- TEMPERATURE:** -35°F to 200°F (-37°C to 93°C)
- PACKAGING:** Cut lengths, coiled and polywrapped.
- BRANDING:** Example: Goodyear® Advantage™ Aircraft Fueling Hose NFPA407, API/IP 1529/2005 Type C, Grade 1, 1¼", 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™

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
1	25.4	1.55	39.4	150	1.03	0.60	0.89
1¼	31.8	1.81	46.0	150	1.03	0.72	1.07
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).

Note: Bulk hose and factory's assemblies are hydrostatic tested to 300 psi and certified.

GOODYEAR
ENGINEERED PRODUCTS

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, which are controlled by the refueler technician at all times during aircraft refueling operations.
- CONSTRUCTION**
 - TUBE:** Nitrile synthetic rubber, RMA Class A (High Oil Resistance)
 - COVER:** Red/Green, Green/Yellow Chemivic™ synthetic rubber, RMA Class A (High Oil Resistance)
- REINFORCEMENT:** Spiral synthetic yarn
- TEMPERATURE:** -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 the Red Hose only. Example: 1/4" ID. Aircraft Fueling Deadman. Made in USA. Goodyear®
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 569-601 (Red/Green) 569-692 (Green/Yellow)

DEADMAN AIRCRAFT REFUELING

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
1/4	6.4	0.53	13.5	200	1.38	0.2	0.3

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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 the 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, RMA Class A (High Oil Resistance)
- COVER:** Orange/Black high-quality Hysunite™ synthetic rubber
- REINFORCEMENT:** Spiral synthetic yarn
- TEMPERATURE:** -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 only
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 569-604

REFUELING SENSING

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
3/8	9.5	0.66	16.8	200	1.38	0.28	0.42

DISPENSING



	Page	CUL and/or UL Approved	Gasoline	Diesel	Biodiesel*	Ethanol**	Wire Reinforcement	Textile Reinforcement
Aggie Gas™	158		Yes	Yes		Yes		Yes
Arctic Softwall	159	Yes	Yes	Yes	Yes	Yes		Yes
BC Gasoline	160	Yes	Yes	Yes	Yes	Yes		Yes
BC Marina	161	Yes	Yes	Yes	Yes	Yes		Yes
DEF Dispensing Hose	163							Yes
Flexsteel® Futura™ Ethan-ALL™	162	Yes				Yes	Yes	Yes
Flexsteel® Futura™	152		Yes	Yes	Yes	Yes	Yes	
Flexsteel® Hardwall	153	Yes	Yes	Yes	Yes	Yes	Yes	
Flexsteel® Futura™ Vapor Assist	154	Yes	Yes				Yes	
Maxxim™ Premier	155	Yes	Yes				Yes	
Maxxim™ Premier Plus	156	Yes	Yes				Yes	
Pacer™	157	Yes	Yes	Yes	Yes	Yes		Yes

* Biodiesel blends up to B20

** Ethanol up to E85

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FLEXSTEEL® FUTURA™



Product Specifications

- APPLICATION:** Flexsteel® Futura™ with new Futurin™ cover resists cracking and fading, designed to dispense a wide range of fuels with extreme durability. The wire braid construction provides excellent kink resistance, low computer creep, and long service life. UL 330 and CUL approved.
- CONSTRUCTION**
TUBE: Nitrile synthetic rubber (ORS)
- COVER:** Futurin™ synthetic rubber (ORS)
- REINFORCEMENT:** Wire braid
- TEMPERATURE:** -40°F to 140°F (-40°C to 60°C)
- PACKAGING:** 5/8" and 3/4" Reels or coupled lengths, 10 pieces per box
1" Reels or coupled lengths, 5 pieces per box
- BRANDING:** Example: Goodyear® 559N, Made in USA. 3/4" (19mm) UL, CUL. Listed Flexsteel® Futura™
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 532-327

FLEXSTEEL® FUTURA™

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	1.00	25.4	0.40	0.60
3/4	19.1	1.13	28.7	0.45	0.67
1	25.4	1.38	35.1	0.61	0.91

FLEXSTEEL® HARDWALL



Product Specifications

- APPLICATION:** Flexsteel® Hardwall is for dispensing pump applications that require a hardwall construction for full flow and no internal spring guards. The wire-braid construction provides excellent kink resistance, low computer creep and long service life. UL 330 and CUL approved.
- CONSTRUCTION**
 - TUBE:** Nitrile synthetic rubber (ORS)
 - COVER:** Green, red, blue or yellow Chemivic™ synthetic rubber (ORS)
- REINFORCEMENT:** Wire braid
- TEMPERATURE:** -40°F to 140°F (-40°C to 60°C)
- PACKAGING:** 5/8" and 3/4" Reels or coupled lengths, 10 pieces per box
1" Reels or coupled lengths, 5 pieces per box
- BRANDING (SPIRAL):** Example: Goodyear® 559N, Made in USA. 3/4" (19 mm). UL, CUL. Listed Flexsteel® Hardwall Gasoline Hose
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 532-331 (green) 532-332 (red)
532-333 (blue) 532-335 (yellow)

FLEXSTEEL® HARDWALL

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	1.00	25.4	0.38	0.57
3/4	19.1	1.13	28.7	0.43	0.64
1	25.4	1.38	35.1	0.58	0.86

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FLEXSTEEL® FUTURA™ VAPOR ASSIST



Product Specifications

- APPLICATION:** For Stage II Vacuum Assist Systems where a pump in the dispenser pulls the gasoline vapors away from the vehicle fill pipe during fueling. The wire-braid construction for the fuel hose provides excellent kink resistance, low computer creep and long service life. Flexsteel® Futura™ Vapor Assist is UL 330 approved.
- CONSTRUCTION**
- TUBE:** Nitrile synthetic rubber (ORS)
- COVER:** Futurin™ synthetic rubber (ORS)
- REINFORCEMENT:** Braided (1) steel wire
- TEMPERATURE:** -40°F to 140°F (-40°C to 60°C)
- PACKAGING:** Coupled lengths only, 6 pieces per box
- BRANDING:** Example: 3/4" Goodyear® Made in USA, UL Listed Flexsteel® Futura™ Vapor Assist
Example: 7/8" Goodyear® Made in USA, UL Listed Flexsteel® Futura™ Vapor Assist
- COUPLINGS:** Available only as factory coupled assembly.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 532-362

FLEXSTEEL® FUTURA™ VAPOR ASSIST

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.13	28.7	0.45	0.67
7/8	22.2	1.25	31.8	0.49	0.73

MAXXIM™ PREMIER



Product Specifications

- APPLICATION:** For Stage II Balance Systems where the gasoline vapors from the fill pipe are pushed back through the outer hose. The outer vapor hose has a textile-reinforced thermoplastic layer over a wire helix. The textile-reinforced thermoplastic cover has maximum puncture resistance, stable dimensions and long service life. The wire braid construction for the fuel hose provides excellent kink resistance and low computer creep. Maxim™ Premier hose is C.A.R.B. and UL 330 approved.
- CONSTRUCTION**
- TUBE:** Nitrile synthetic rubber (ORS)
- COVER:** Chemivic™ synthetic rubber (ORS), thermoplastic outer with textile reinforcement and wire helix
- REINFORCEMENT:** Braided (1) steel wire
- TEMPERATURE:** -40°F to 140°F (-40°C to 60°C)
- PACKAGING:** Coupled lengths only, 6 pieces per box
- BRANDING:** Not branded
- COUPLINGS:** Available only as factory coupled assembly.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 532-365-440

MAXXIM™ PREMIER

ID		ID-INNER HOSE		NOM. OD-INNER HOSE		WEIGHT-INNER HOSE	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
1¼	31.75	5/8	15.9	0.85	21.6	0.22	0.33

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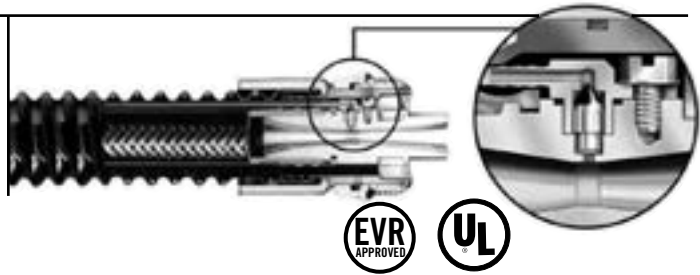
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MAXXIM™ PREMIER PLUS



Product Specifications

- APPLICATION:** Maxxim™ Premier Plus incorporates a Venturi pump in the protected confines of the inner fuel hose coupling to keep the vapor path open in the outer hose. As gasoline flows through the Venturi pump, gasoline accumulating in the bottom loop of the vapor hose is collected and returned to the fuel hose. C.A.R.B., EVR and UL 330 approved.
- CONSTRUCTION TUBE:** Nitrile synthetic rubber (ORS)
- COVER:** Chemivic™ synthetic rubber (ORS), thermoplastic outer with textile reinforcement and wire helix.
- REINFORCEMENT:** Braided (1) steel wire
- TEMPERATURE:** -40°F to 140°F (-40°C to 60°C)
- PACKAGING:** Coupled lengths only, 6 pieces per box
- BRANDING:** Not branded
- COUPLINGS:** Available only as factory coupled assembly.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 532-365-441 532-365-641 (EVR)

MAXXIM™ PREMIER PLUS

ID		ID-INNER HOSE		NOM. OD-INNER HOSE		WEIGHT-INNER HOSE	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
1¼	31.75	5/8	15.9	0.85	21.6	0.22	0.33

PETROLEUM

PACER™



Product Specifications



- APPLICATION:** For all types of gasoline dispensing applications where flexibility and a lightweight hose is desired. Pacer™ is designed with a spiral textile reinforcement. UL 330 and CUL approved.
- CONSTRUCTION TUBE:** Nitrile synthetic rubber (ORS)
- COVER:** Chemivic™ synthetic rubber (ORS)
- REINFORCEMENT:** Spiral synthetic yarn with static wire
- TEMPERATURE:** -40°F to 140°F (-40°C to 60°C)
- PACKAGING:** Reels or coupled lengths
- BRANDING:** Example: 3/4" Pacer™ Goodyear®
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 595-015 (bulk)
595-017 (factory coupled assemblies)

PACER™

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	0.98	24.9	0.28	0.42
3/4	19.1	1.15	29.2	0.37	0.55
1	25.4	1.50	38.1	0.60	0.89

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AGGIE GAS™



Product Specifications

- APPLICATION:** A multi-use type hose for dispensing gasoline, grease, kerosene, and petroleum oils from farm and barrel type pumps. It is for agricultural, construction and industrial service where UL approval is not required.
- CONSTRUCTION TUBE:** Nitrile synthetic rubber (ORS)
- COVER:** Black or red Chemivic™ synthetic rubber (ORS)
- REINFORCEMENT:** Spiral synthetic yarn
- TEMPERATURE:** -30°F to 140°F (-34°C to 60°C)
- PACKAGING:** Reels or coupled lengths, 5 pieces per box
- BRANDING:** Example: Aggie Gas™ 3/4" (19.1mm) Static Bonded Goodyear®
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.

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ORDER CODES: 595-001 (no static wire) (black)
595-002 (no static wire) (red)

AGGIE GAS - NO STATIC WIRE

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.11	28.2	0.27	0.40
1	25.4	1.40	35.6	0.52	0.77

ORDER CODES: 595-026 (with static wire - bulk) (black)
595-028 (with static wire - factory coupled assemblies) (black)

AGGIE GAS - WITH STATIC WIRE

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.11	28.2	0.27	0.40
1	25.4	1.40	35.6	0.52	0.77

GOODYEAR
ENGINEERED PRODUCTS

ARCTIC SOFTWALL



Product Specifications

- APPLICATION:** A premium gas pump hose for use in extremely cold environments. Remains flexible where temperatures of -65°F (-54°C) are encountered. UL 330 and CUL approved.
- CONSTRUCTION**
 - TUBE:** Black, low-temp synthetic rubber
 - COVER:** Black, low-temp synthetic rubber (wrapped finish)
- REINFORCEMENT:** Braided synthetic yarn with antistatic wire
- TEMPERATURE:** -65°F to 140°F (-54°C to 60°C)
- PACKAGING:** 500' reels +/- 50', minimum 50', maximum 3 pieces
- BRANDING:** Example: Goodyear® 559 N, Made in USA. 3/4" (19mm) UL, CUL Listed Arctic Softwall Gasoline Hose
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 532-395

ARCTIC SOFTWALL

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	1.00	25.4	0.29	0.43
3/4	19.1	1.13	28.7	0.32	0.48
1	25.4	1.50	38.1	0.57	0.85

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

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PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
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SPRAY

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VACUUM

VEYANCE

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Discharge
Washdown

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BC GASOLINE



Product Specifications

- APPLICATION:** For all types of dispensing pump applications where flexibility and lightweight are desired. BC is available with one or two textile braids. UL 330 and CUL approved.
- CONSTRUCTION TUBE:** Nitrile synthetic rubber (ORS)
- COVER:** Black Chemivic™ synthetic rubber (ORS)
- REINFORCEMENT:** Braided synthetic yarn with static wire, available in one or two braid
- TEMPERATURE:** -40°F to 140°F (-40°C to 60°C)
- PACKAGING:** 5/8" and 3/4" Reels or coupled lengths, 10 pieces per box
1" Reels or coupled lengths, 5 pieces per box
- BRANDING:** Example: 1" (25.4mm) 2BD. CUL, UL Listed style BC Gasoline Goodyear® 559N. Made in USA
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 532-012 (1 braid) 532-013 (2 braid)

BC GASOLINE (1 BRAID)

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	1.00	25.4	0.28	0.42
3/4	19.1	1.13	28.7	0.32	0.48

BC GASOLINE (2 BRAID)

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	1.00	25.4	0.24	0.36
3/4	19.1	1.19	30.2	0.37	0.55
1	25.4	1.50	38.1	0.55	0.82



BC MARINA



Product Specifications

- APPLICATION:** For dispensing gasoline to pleasure craft and commercial boats at fresh and salt water marinas. UL 330 and CUL approved.
- CONSTRUCTION**
 - TUBE:** Nitrile synthetic rubber (ORS)
 - COVER:** Green Chemivic™ synthetic rubber (ORS) (nonmarking)
- REINFORCEMENT:** Braided (2) synthetic yarn with static wire
- TEMPERATURE:** -40°F to 140°F (-40°C to 60°C)
- PACKAGING:** Reels or coupled lengths
- BRANDING:** Example: 1" (25.4mm) 2BD. UL Listed Marina Gasoline Goodyear® 559N. Made in USA
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 532-293

BC MARINA

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.19	30.2	0.38	0.57
1	25.4	1.50	38.1	0.57	0.85

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

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Heavy Duty
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FLEXSTEEL® FUTURA™ ETHAN-ALL™ DISPENSING HOSE ASSEMBLY



Product Specifications

APPLICATION: Flexsteel® Futura™ Ethan-ALL™ dispensing hose assembly is UL certified for use in ethanol dispensing applications up to E85. This new assembly provides the quality Futurin™ cover with its superior ozone resistance along with a new premium layline. The tube construction meets the E25/E85 compatibility test requirements of UL 87A.

The Flexsteel® Futura™ Ethan-ALL™ dispensing hose assembly uses the Veyance proprietary Fuel Grip™ fitting with a premium nickel coating to ensure corrosion is limited.

CONSTRUCTION

TUBE: Nitrile synthetic rubber

COVER: Futurin™ synthetic rubber

REINFORCEMENT: Wire braid

TEMPERATURE: -40°F to 140°F (-40°C to 60°C)

PACKAGING: Coupled assemblies only

BRANDING: Example: 3/4" (UL) Listed Goodyear® Flexsteel® Futura™ Ethan-ALL™ E85 559N. Made in USA

ORDER CODES: 532-337-124

FLEXSTEEL® FUTURA™ ETHAN-ALL™ DISPENSING HOSE

ID		OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lbs/ft	kg/m
3/4	19.1	1.13	28.7	50	0.34	0.46	0.69

DEF DISPENSING HOSE



Product Specifications

APPLICATION: Diesel Exhaust Fluid (DEF: aqueous 32.5% nitrogen solution of high-purity urea in deionized water) is a key component of selective catalytic reduction (SCR) systems, which help diesel vehicles meet stringent emission regulations effective January 1, 2010. DEF is a liquid reducing agent that reacts with engine exhaust in the presence of a catalyst to convert smog-forming nitrogen oxides (NOx) into harmless nitrogen and water vapor.

Goodyear Engineered Products DEF Dispensing Hose is specifically designed to convey the high-purity, aqueous urea solution DEF. Hose tube compound is specially formulated with low extraction EPDM and peroxide cured to provide superior extraction levels to significantly reduce contamination. Flexible softwall construction provides superior handling in standard dispensing and reeling applications. Static wire available for installation in Class I, Division 1 areas.

CONSTRUCTION

TUBE: Specially formulated low-extraction EPDM, peroxide cured

COVER: Specially formulated EPDM

REINFORCEMENT: Polyester braid

TEMPERATURE: -40°F to 257°F (-40°C to 125°C)

PACKAGING: Bulk, coupled assemblies (NPT and BSPP fittings available)

BRANDING: Example: Goodyear® DEF Dispensing Hose 3/4" (19.1mm)

ORDER CODES: 532-027

DEF DISPENSING HOSE

FEATURES	BENEFITS
Specially formulated low extraction EPDM compound for tube peroxide cured	Provides superior extraction levels to significantly reduce contamination that can clog an SCR system and stop a truck
Enhanced manufacturing practices	Significantly reduce contamination that can clog an SCR system and stop a truck
Premium braided construction	Reduced volumetric expansion to meet Weights and Measures system criteria
Static wire	Requirement for installations in Class I, Division 1 areas as outlined in NFPA 70
Meets ISO 22241 standard	Ensures desirable characteristics of AUS 32 (DEF) are met, such as quality, safety, reliability and contamination

DEF DISPENSING HOSE

ID		NOM. OD		WEIGHT		WP	
in.	mm.	in.	mm.	lbs/ft	kg/m	psi	Mpa
3/4	19.1	1.13	28.8	.30	.457	300	2.07

AIR &
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General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

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MARINE

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DOCK



	Page	Nitrile Tube	Flosyn Tube	Max W.P.	Corrugated	Temp Range	Built-in Nipple	Swage Nipple*
Flexdock® 225	165	Yes	Yes	225	Yes	-25°F to 200°F	Yes	Yes
Flexdock® 300	166	Yes	Yes	300	Yes	-25°F to 200°F	Yes	Yes
Hot Tar & Asphalt Rough Bore	172	Yes		200		-25°F to 350°F	Yes	
Hot Tar & Asphalt Smooth Bore	172	Yes		200		-25°F to 350°F	Yes	
Smooth Bore Dock 200	167	Yes	Yes	200		-25°F to 200°F	Yes	Yes
Smooth Bore Dock 300	168	Yes	Yes	300		-25°F to 200°F	Yes	Yes
Tanker Barge Discharge	169	Yes	Yes	200		-25°F to 220°F	Yes	Yes
Thor™ Dock	171	Yes		250		-25°F to 180°F	Yes	
Vapor Recovery Dock	170	Yes	Yes	25	Yes	-25°F to 200°F	Yes	Yes

*Up to 10" ID

FLEXDOCK® 225



Product Specifications

APPLICATION:	Built with a corrugated cover to provide flexibility in petroleum transfer service. A variety of tube compounds are available to tailor the chemical and hydrocarbon resistance of the hose to the type of material handled.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
COVER:	Black Wingprene® synthetic cover, corrugated, wrapped finish
REINFORCEMENT:	Spiral-ply heavy-duty synthetic fabric with double wire helix
TEMPERATURE:	-25°F to 200°F (-32°C to 93°C)
PACKAGING:	Chloroplast heavy-duty packaging
BRANDING (SPIRAL):	Example: Goodyear® Flexdock® 225 psi WP Nitrile Oil Service
COUPLINGS:	Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.
NON-STOCK/SIZES:	Custom lengths available, contact customer service.
ORDER CODES:	541-532 (Nitrile tube) 541-534 (Flosyn® tube)

FLEXDOCK® 225

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3	76.2	3.89	98.8	225	1.55	11	279	29	737	3.28	4.88
4	101.6	5.29	134.4	225	1.55	15	381	29	737	6.30	9.38
6	152.4	7.34	186.4	225	1.55	22	559	29	737	9.50	14.14
8	203.2	9.43	239.5	225	1.55	30	762	29	737	13.81	20.55
10	254.0	11.63	295.4	225	1.55	40	1016	29	737	20.49	30.49
12	304.8	13.72	348.5	225	1.55	60	1524	29	737	25.13	37.40

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

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Bulk Transfer
Cement & Concrete

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FLEXDOCK® 300



Product Specifications

- APPLICATION:** Built with a corrugated cover to provide flexibility in petroleum transfer service. A variety of tube compounds are available to tailor the chemical and hydrocarbon resistance of the hose to the type of material handled.
- CONSTRUCTION TUBE:** Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
- COVER:** Black Wingprene® synthetic cover, corrugated, wrapped finish
- REINFORCEMENT:** Heavy-duty synthetic fabric plies with double wire helix
- TEMPERATURE:** -25°F to 200°F (-32°C to 93°C)
- PACKAGING:** Chloroplast heavy-duty packaging
- BRANDING (SPIRAL):** Example: Goodyear® Flexdock® 300 psi WP Nitrile Oil Service
- COUPLINGS:** Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.
- NON-STOCK/SIZES:** Custom lengths available, contact customer service.
- ORDER CODES:** 541-533 (Nitrile Tube) 541-535 (Flosyn® tube)

FLEXDOCK® 300

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3	76.2	4.06	103.7	300	2.07	14	356	29	737	3.76	5.60
4	101.6	5.29	134.4	300	2.07	19	483	29	737	6.30	9.38
6	152.4	7.35	186.7	300	2.07	28	711	29	737	9.64	14.35
8	203.2	9.63	244.6	300	2.07	38	965	29	737	15.56	23.16
10	254.0	11.51	292.4	300	2.07	48	1219	29	737	19.73	29.36
12	305.5	13.94	353.9	300	2.07	58	1473	29	737	28.89	42.98

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.



SMOOTH BORE DOCK 200



Product Specifications

APPLICATION:	For the transfer of petroleum based products between docks and ships under all types of service conditions. It is available in a number of tube compounds to tailor the fluid handling capabilities to a wide variety of petroleum and chemical compositions.
CONSTRUCTION TUBE:	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
COVER:	Black Chemivic™ (smooth cover, wrap finish)
REINFORCEMENT:	Spiral plied synthetic fabric with wire helix
TEMPERATURE:	-25°F to 200°F (-32°C to 93°C)
PACKAGING:	Chloroplast heavy-duty packaging
BRANDING (SPIRAL):	Example: Goodyear® SB Dock oil service, 200 psi WP Nitrile
COUPLINGS:	Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.
NON-STOCK/SIZES:	Custom lengths available, contact customer service.
ORDER CODES:	541-004 (Nitrile Tube) 541-586 (Flosyn® Tube)

SMOOTH BORE DOCK 200

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3	76.2	4.25	108.0	200	1.38	18	457	29	737	4.50	6.70
4	101.6	5.29	134.4	200	1.38	24	610	29	737	6.15	9.15
6	152.4	7.45	189.2	200	1.38	36	914	29	737	11.27	16.77
8	203.2	9.62	244.4	200	1.38	48	1219	29	737	16.44	24.46
10	254.0	11.62	295.2	200	1.38	60	1524	29	737	21.21	31.56
12	304.8	13.94	354.1	200	1.38	72	1829	29	737	30.63	45.58

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
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AIR &
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Heavy Duty
Push-on

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SMOOTH BORE DOCK 300



Product Specifications

APPLICATION:	For the transfer of petroleum based products between docks and ships under all types of service conditions. It is available in a number of tube compounds to tailor the fluid handling capabilities to a wide variety of petroleum and chemical compositions.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
COVER:	Black Wingprene® synthetic rubber
REINFORCEMENT:	Spiral wire helix between plies of synthetic fabric
TEMPERATURE:	-25°F to 200°F (-32°C to 93°C)
PACKAGING:	Chloroplast heavy-duty packaging
BRANDING (SPIRAL):	Example: Goodyear® SB Dock oil service, 300 psi WP Nitrile
COUPLINGS:	Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.
NON-STOCK/SIZES:	Custom lengths available, contact customer service.
ORDER CODES:	541-580 (Nitrile Tube) 541-584 (Flosyn® Tube)

SMOOTH BORE DOCK 300

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3	76.2	4.25	108.0	300	2.07	21	533	29	737	4.48	6.67
4	101.6	5.29	134.4	300	2.07	27	686	29	737	6.15	9.15
6	152.4	7.51	190.8	300	2.07	39	991	29	737	11.72	17.44
8	203.2	9.78	248.4	300	2.07	51	1295	29	737	17.93	26.68
10	254.0	11.77	299.0	300	2.07	63	1600	29	737	22.99	34.21
12	304.8	14.15	359.4	300	2.07	75	1905	29	737	33.29	49.54

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.

GOODYEAR
ENGINEERED PRODUCTS

TANKER BARGE DISCHARGE



Product Specifications

- APPLICATION:** For discharge applications such as the transfer of petroleum-based products between docks and barges.
- CONSTRUCTION**
 - TUBE:** Nitrile synthetic rubber for up to 50% aromatics
 - COVER:** Black Wingprene® synthetic rubber
- REINFORCEMENT:** Spiral-plyed synthetic fabric with grounding wires
- TEMPERATURE:** -25°F to 220°F (-32°C to 104°C)
- PACKAGING:** Chloroplast heavy-duty packaging
- BRANDING (SPIRAL):** Example: Goodyear® Tanker Barge Discharge, 200 psi WP Nitrile
- COUPLINGS:** Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.
- NON-STOCK/SIZES:** Custom lengths available, contact customer service.
- ORDER CODES:** 541-426 (Nitrile tube)

TANKER BARGE DISCHARGE

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
4	101.6	5.09	129.3	200	1.38	4.30	6.40
6	152.4	7.08	179.8	200	1.38	6.18	9.20
8	203.2	9.08	230.6	200	1.38	8.06	11.99
10	254.0	11.06	280.9	200	1.38	9.93	14.78
12	304.8	13.28	337.3	200	1.38	13.91	20.70

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

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AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

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VAPOR RECOVERY DOCK



Product Specifications

APPLICATION:	For use in the recovery of petroleum vapors during the transfer of petroleum-based products between docks and tankers or barges.
CONSTRUCTION	
TUBE:	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
COVER:	Black Chemivic™ synthetic rubber (corrugated)
REINFORCEMENT:	Synthetic fabric plies plus two (2) wire helix
TEMPERATURE:	-25°F to 200°F (-32°C to 93°C)
PACKAGING:	Chloroplast heavy-duty packaging
BRANDING (SPIRAL):	Example: Goodyear® Vapor Recovery 25 psi MWP
COUPLINGS:	Built-in nipples (or swaged fittings up to 10" ID) fitted with 150# flange with extra 5/8" diameter hole located midway between flange bolt hole as per Coast Guard requirements.
NON-STOCK/SIZES:	Custom lengths available, contact customer service.
ORDER CODES:	541-090 (Nitrile Tube) 541-643 (Flosyn® Tube)

VAPOR RECOVERY DOCK

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
6	152.4	6.86	174.2	25	0.17	22	559	29	737	5.70	8.48
8	203.2	8.89	225.8	25	0.17	30	762	29	737	8.26	12.29
10	254.0	10.97	278.6	25	0.17	40	1016	29	737	12.63	18.80
12	304.8	13.00	330.2	25	0.17	60	1524	29	737	15.07	22.43

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.

GOODYEAR
ENGINEERED PRODUCTS

THOR™ DOCK



Product Specifications

APPLICATION:	For the transfer of petroleum products between docks and tankers and is rated for 250 working psi. Not intended for offshore or submarine applications.
CONSTRUCTION TUBE:	Nitrile synthetic rubber
COVER:	1/4" Black Plioflex® synthetic rubber
REINFORCEMENT:	Spiral wire helix between plies of synthetic fabric
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	Heavy-duty plastic packaging
BRANDING (IMPRESSION):	Example: Goodyear® SB Submarine oil service, Nitrile 225 psi WP
COUPLINGS:	Coupled with galvanized built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Hose assembly is electrically continuous unless otherwise specified by customer.
NON-STOCK/SIZES:	Custom lengths available, contact customer service.
ORDER CODES:	541-577

THOR™ DOCK

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	lb./ft.	kg./m.
6	152.4	7.81	198.4	250	1.72	36	914	14.30	21.28
8	203.2	9.89	251.2	250	1.72	48	1219	20.05	29.84
10	254.0	12.07	306.6	250	1.72	60	1524	27.23	40.52
12	304.8	14.10	358.1	250	1.72	72	1829	31.93	47.52

Note: Factory coupled hose manufactured according to the code of Federal Regulations standard 33 CFR 154.500 and 33 CFR 156.170.

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

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PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

APPENDIX

HOT TAR & ASPHALT



Product Specifications

- APPLICATION:** Designed for petroleum-based products up to 350°F between docks and tankers or barges under heavy-duty conditions.
- CONSTRUCTION**
TUBE: Nitrile synthetic rubber, flat steel wire helix supporting the tube
- COVER:** Wingprene® synthetic rubber
- REINFORCEMENT:** Spiral-plyed synthetic fabric with wire helix
- TEMPERATURE:** -25°F to 350°F (-32°C to 177°C)
- PACKAGING:** Custom lengths available, contact customer service.
- BRANDING:** Example: Goodyear® RB Dock hot asphalt, 350°F, 225 psi max
- COUPLINGS:** Coupled with galvanized built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges on request. Smooth bore assembly is electrically continuous unless otherwise specified by customer. Rough bore assembly is offered as electrically continuous only.
- NON-STOCK/SIZES:** Custom lengths available, contact customer service.

SMOOTH BORE

ORDER CODES: 541-606

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
4	101.6	5.28	134.1	225	1.55	36	914	29	737	6.48	9.64
6	152.4	7.72	196.1	225	1.55	48	1219	29	737	13.83	20.58
8	203.2	9.80	248.9	225	1.55	60	1524	29	737	19.11	28.44
10	254.0	11.80	299.7	225	1.55	80	2032	29	737	23.20	34.52

ROUGH BORE

ORDER CODES: 541-582

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
6	152.4	8.19	208.0	225	1.55	36	914	29	737	16.19	24.09
8	203.2	10.25	260.4	225	1.55	48	1219	29	737	22.39	33.32
10	254.0	12.31	312.7	225	1.55	60	1524	29	737	29.09	43.29

GOODYEAR
ENGINEERED PRODUCTS

TRANSFER



	Page	Temp Range	Refined Fuels	Corrugated Cover	Lightweight
Arctic ExtremeFlex™	175	-65°F to 180°F	Yes	Yes	Yes
Flextra® Oilfield	186	-25°F to 180°F		Yes	
Flexwing® Oilfield	185	-25°F to 180°F			
Flexwing VersaFuel™	176	-30°F to 180°F	Yes		
Infinity™ Fuel Drop Hose	177	-40°F to 160°F	Yes	Yes	Yes
Infinity™ HD Fuel Drop Hose	178	-40°F to 160°F	Yes	Yes	Yes
LW Arctic Tank Truck	188	-65°F to 180°F		Yes	Yes
Paladin®	180	-40°F to 160°F	Yes	Yes	Yes
Plicord® Arctic Flexwing®	187	-65°F to 180°F	Yes		
Plicord® ExtremeFlex™	191	-40°F to 200°F	Yes	Yes	Yes
Plicord® Flexwing® Petroleum	179	-35°F to 200°F	Yes		
Plicord® Fuel Discharge	190	-35°F to 180°F	Yes		
Plicord® LW Black Flextra II™	184	-40°F to 180°F	Yes	Yes	Yes
Plicord® Oilfield Frac	183	-25°F to 180°F			
Plicord® Super Black Flexwing®	182	-35°F to 200°F	Yes		
Plicord® Waste Mate™	189	-25°F to 180°F			
Pyroflex® Hot Tar & Asphalt II	193	-25°F to 350°F			
Pyroflex® Hot Tar Wand	194	-25°F to 350°F			
Red Flextra® 100	181	-30°F to 180°F	Yes	Yes	Yes
Red Flextra® 150	181	-30°F to 180°F	Yes	Yes	Yes
Redwing® Fuel Oil	174	-40°F to 140°F	Yes		
Spiraflex® Polyurethane Vapor Recovery	192	-30°F to 150°F		Yes	Yes

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

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PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

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PETROLEUM
Aircraft Fueling
Dispensing
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SPRAY

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Discharge
Washdown

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SYSTEMS

APPENDIX

REDWING® FUEL OIL



Product Specifications

- APPLICATION:** Redwing® Fuel Oil is for transfer and delivery of fuel oil and petroleum products for home delivery, commercial and industrial service. Redwing Fuel Oil has two textile braids. The braided construction reduces kinking and twisting when reeling. The smooth cover has low drag resistance.
- CONSTRUCTION TUBE:** Nitrile synthetic rubber (ORS)
- COVER:** Red Chemivic™ synthetic rubber (smooth finish) (ORS)
- REINFORCEMENT:** Braided (2) synthetic yarn
- TEMPERATURE:** -40°F to 140°F (-40°C to 60°C)
- PACKAGING:** Reels, cut lengths, and coupled lengths
- BRANDING:** Example: 1" (25.4 mm) 2 BD Redwing® Fuel Oil Goodyear.® Made in USA
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 532-016

REDWING® FUEL OIL

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
1	25.4	1.50	38.1	250	1.72	0.57	0.85
1¼	31.8	1.80	45.7	250	1.72	0.65	0.97
1¾	34.9	1.88	47.8	250	1.72	0.70	1.04
1½	38.1	2.10	53.3	250	1.72	0.92	1.37

GOODYEAR
ENGINEERED PRODUCTS

PETROLEUM

ARCTIC EXTREMEFLEX™

A New Degree of Flexibility



Product Specifications

- APPLICATION:** An extremely flexible and lightweight drop hose for transfer of petroleum-based products under suction, low-pressure discharge or gravity flow. Flexibility maintained down to -65°F (-54°C).
- CONSTRUCTION**
TUBE: Black Nitrile, RMA Class A (High Oil Resistance)
- COVER:** Corrugated Black Wingprene® synthetic rubber (wrapped impression), blue spiral stripe
 Corrugated Blue Wingprene® synthetic rubber (wrapped impression), red spiral stripe
- REINFORCEMENT:** Spiral-plyed synthetic fabric with double wire helix
- TEMPERATURE:** -65°F to 180°F (-54°C to 82°C)
- PACKAGING:** Coiled and polywrapped
- BRANDING (SPIRAL):** Example: Goodyear® Plicord® Arctic ExtremeFlex™ Petroleum Transfer 150PSI WP
- COUPLINGS:** Use Goodyear® Insta-Lock™ Cam & Groove Fittings
- NON-STOCK/SIZES:** 400' minimum order
- ORDER CODES:** 543-807 (black) 543-451 (blue)

ARCTIC EXTREMEFLEX™

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	51	2.5	63.5	150	1.03	2	51	29	737	1.08	1.61
3	76	3.48	88.5	150	1.03	3	76	29	737	1.62	2.41
4	102	4.55	115.7	150	1.03	4	102	29	737	2.35	3.50



AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

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SYSTEMS

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PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
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SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
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Discharge
Washdown

WELDING

COUPLING
SYSTEMS

APPENDIX

FLEXWING VERSAFUEL™



Product Specifications

- APPLICATION:** For use in tank truck and in-plant operation to transfer diesel, biodiesel blends, B-100, ethanol blends, gasoline, oil and petroleum base products up to 60% aromatic content.
- CONSTRUCTION TUBE:** Synthetic rubber (static dissipating)
- COVER:** Black synthetic rubber with excellent resistance to biodiesel, ethanol, oil/petroleum products and abrasion.
- REINFORCEMENT:** Spiral-plyed synthetic fabric with helix wire
- TEMPERATURE:** -30°F to 180°F (-34°C to 82°C)
- PACKAGING:** 100' lengths, coiled and polywrapped.
- BRANDING (SPIRAL):** Example: Goodyear® Flexwing VersaFuel™ 150 PSI WP
- COUPLINGS:** Use Goodyear Engineered Products Insta-Lock™ Cam and Groove fittings with this product.
- NON-STOCK/SIZES:** 400' minimum order
- ORDER CODES:** 543-422

FLEXWING VERSAFUEL™

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.50	38.1	150	1.03	2	50	29	737	0.59	0.88
1¼	32.0	1.77	44.8	150	1.03	3	75	29	737	0.74	1.10
1½	38.0	2.03	51.7	150	1.03	4	100	29	737	0.92	1.37
2	51.2	2.55	64.9	150	1.03	5	125	29	737	1.21	1.80
2½	63.7	3.07	77.9	150	1.03	6	150	29	737	1.56	2.32
3	76.1	3.58	91.0	150	1.03	7	175	29	737	1.94	2.89
4	102.1	4.60	117.0	150	1.03	10	200	29	737	2.53	3.77

GOODYEAR
ENGINEERED PRODUCTS

INFINITY™ FUEL DROP HOSE



NEW

Product Specifications

- APPLICATION:** Constructed with the exclusive PVC double helix for superior flexibility, abrasion resistance and low coefficient of friction for ease of maneuverability. Lightweight in construction, it is designed to transfer biodiesel and ethanol blends, gasoline and other petroleum products under pressure, gravity flow or medium suction (up to 23" Hg) at ambient temperature and with an aromatic content of 60% or less.
- CONSTRUCTION TUBE:** Black Nitrile synthetic rubber (static dissipating)
- COVER:** Black Chemivic™ synthetic rubber with orange & green Pliovic® outer helix
- REINFORCEMENT:** Synthetic fabric plies with static wire
- TEMPERATURE:** -40°F to 160°F (-40°C to 71°C)
- PACKAGING:** Coiled and polywrapped. For cut length, check with your Goodyear Engineered Products distributors.
- BRANDING:** Example: Infinity™ Drop Hose Goodyear®
- COUPLINGS:** Use Goodyear Engineered Products Insta-Lock™ Cam & Groove Fittings with this product.
- ORDER CODES:** 543-773

INFINITY™

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	51.0	2.80	70.50	150	1.03	1.5	1.02	23	584	1.02	1.52
3	76.0	3.80	95.48	100	0.69	2.0	1.46	23	584	1.46	2.18
4	102.0	4.80	121.47	75	0.52	2.5	1.73	23	584	1.73	2.57

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

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PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
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INFINITY™ HD FUEL DROP HOSE



Product Specifications

APPLICATION: Constructed with the exclusive PVC double helix for superior flexibility, abrasion resistance and low coefficient of friction for ease of maneuverability. Lightweight in construction, Infinity™ HD (Heavy Duty) is designed for higher working pressure applications (150 PSI). It is suitable in gravity flow or medium suction at ambient temperature. Designed to transfer biodiesel and ethanol blends, gasoline and other petroleum products with an aromatic content of 60% or less.

CONSTRUCTION
TUBE: Black Nitrile synthetic rubber (static dissipating)

COVER: Synthetic fabric plies

REINFORCEMENT: Black Chemivic® synthetic rubber with double Orange Pliovic® outer helix

TEMPERATURE: -40°F to 160°F (-40°C to 71°C)

PACKAGING: Coiled and polywrapped. For cut length, check with your Goodyear Engineered Products Authorized Distributor.

BRANDING: Infinity™ HD Drop Hose 150psi Goodyear®

COUPLINGS: Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See the Coupling Systems information pages at the back of the catalog.

ORDER CODES: 543-138

INFINITY™ HD

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	51.0	2.80	70.50	150	1.03	1.5	38.1	23	584	1.01	1.51
3	76.0	3.80	95.90	150	1.03	2.0	50.8	23	584	1.48	2.21
4	102.0	4.80	122.50	150	1.03	3.0	76.2	23	584	2.01	2.99

GOODYEAR
ENGINEERED PRODUCTS

PETROLEUM

PLICORD® FLEXWING® PETROLEUM



Product Specifications

APPLICATION:	For use in tank truck and in-plant operations to transfer gasoline, oil, ethanol blends and other petroleum base products up to 50% aromatic content. It is designed for pressure, gravity flow, or full-suction service.
CONSTRUCTION TUBE:	Nitrile synthetic rubber RMA Class A (High Oil Resistance)
COVER:	Black (red spiral stripe) or Red Chemivic™ (white spiral stripe) synthetic rubber (oil resistant); smooth cover; wrapped finish
REINFORCEMENT:	Spiral-plyed synthetic fabric with wire helix
TEMPERATURE:	-35°F to 200°F (-37°C to 93°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING (SPIRAL):	Example: Goodyear® Flexwing® Petroleum 150 psi WP
COUPLINGS:	Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See the Coupling Systems information pages at the back of the catalog.
NON-STOCK/SIZES:	For special production run minimum requirements, see Appendix D.
ORDER CODES:	543-109 (black) 543-110 (red) 541-109 (black 8-inch size)

PLICORD® FLEXWING®

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.22	31.0	150	1.03	2	51	29	737	0.47	0.70
1	25.4	1.50	38.1	150	1.03	2	51	29	737	0.63	0.94
1¼	31.8	1.76	44.7	150	1.03	3	76	29	737	0.79	1.18
1½	38.1	2.03	51.6	150	1.03	4	102	29	737	0.99	1.47
1¾	44.5	2.28	57.9	150	1.03	4	102	29	737	1.07	1.59
2	50.8	2.55	64.8	150	1.03	5	114	29	737	1.30	1.93
2½	63.5	3.07	78.0	150	1.03	6	146	29	737	1.66	2.47
3	76.2	3.57	90.7	150	1.03	7	178	29	737	2.03	3.02
3½	88.9	4.13	104.9	150	1.03	8	203	29	737	2.39	3.56
4	101.6	4.60	116.8	150	1.03	10	254	29	737	2.68	3.99
6	152.7	6.78	171.9	150	1.03	30	762	29	737	5.61	8.36
8	203.2	8.97	227.8	150	1.03	36	914	29	737	9.53	

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

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PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

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Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
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SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

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PALADIN®



Product Specifications

- APPLICATION:** Designed as a lightweight and flexible hose to transfer biodiesel and ethanol blends, gasoline and other petroleum products under pressure, gravity flow or medium suction (up to 23" Hg) at ambient temperature. Maximum aromatic content 60%. Outer PVC helix provides abrasion resistance and low coefficient of friction. With Antistatic wire (low resistance).
- CONSTRUCTION**
TUBE: Black Nitrile synthetic rubber (static dissipating)
- COVER:** Black Chemivic™ synthetic rubber with Orange Pliovic® outer helix
- REINFORCEMENT:** Synthetic fabric plies
- TEMPERATURE:** -40°F to 160°F (-40°C to 71°C)
- PACKAGING:** 100' lengths, coiled and bagel pack
- BRANDING:** Example: Goodyear® Paladin® Drop Hose (Date Code). Made in Canada
- COUPLINGS:** Use Goodyear Engineered Products Insta-Lock™ Cam & Groove Fittings with this product. See the Coupling Systems information pages at the back of the catalog.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 543-227

PALADIN®

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.87	72.9	150	1.03	2	51	23	584	1.04	1.55
3	76.2	3.92	99.6	150	1.03	3	76	23	584	1.58	2.35
4	101.6	4.85	123.2	75	0.52	5	127	23	584	1.94	2.89

RED FLEXTRA®



Product Specifications

- APPLICATION:** For the transfer of ethanol blends, gasoline and other petroleum-based products under pressure, gravity flow or full-suction where maximum flexibility is needed.
- CONSTRUCTION TUBE:** Nitrile synthetic rubber RMA Class A (High Oil Resistance)
- COVER:** Red Wingprene®, corrugated synthetic rubber RMA Class A (High Oil Resistance)
- REINFORCEMENT:** Spiral-plyed synthetic fabric with double wire helix
- TEMPERATURE:** -30°F to 180°F (-34°C to 82°C)
- PACKAGING:** 100' lengths, coiled and polywrapped
- BRANDING (SPIRAL):** Example: Goodyear® Red Flextra.® Made in Canada
- COUPLINGS:** Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See the Coupling Systems information pages at the back of the catalog.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

RED FLEXTRA® 100

ORDER CODES: 543-123

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.38	60.3	100	0.69	4	102	29	737	0.83	1.09
2½	63.5	2.88	73.2	100	0.69	5	127	29	737	1.09	1.62
3	76.2	3.41	86.6	100	0.69	6	152	29	737	1.41	2.10
4	101.6	4.53	115.1	100	0.69	9	229	29	737	2.23	3.32

RED FLEXTRA® 150

ORDER CODES: 543-120

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.52	64.0	150	1.03	4	102	29	737	1.18	1.76
3	76.2	3.59	91.2	150	1.03	6	152	29	737	1.99	2.96
4	101.6	4.61	117.1	150	1.03	9	229	29	737	2.66	3.96

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

APPENDIX

PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

APPENDIX

PLICORD® SUPER BLACK FLEXWING®



Product Specifications

- APPLICATION:** A premium high pressure petroleum transfer hose for handling ethanol blends, gasoline, oils and other petroleum products at higher working pressures.
- CONSTRUCTION**
- TUBE:** Special fuel-resistant Black nitrile synthetic rubber RMA Class A (High Oil Resistance)
- COVER:** Black Neoprene synthetic rubber RMA Class A (High Oil Resistance), wrapped finish
- REINFORCEMENT:** Spiral-plyed synthetic fabric with wire helix
- TEMPERATURE:** -35°F to 200°F (-37°C to 93°C)
- PACKAGING:** 100' lengths, coiled and polywrapped
- BRANDING:** Example: Goodyear® Flexwing® Petroleum Hose
- COUPLINGS:** Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See the Coupling Systems information pages at the back of the catalog.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 543-117 541-117 (6" diameter, 100' length)

PLICORD® SUPER BLACK FLEXWING®

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.53	38.8	250	1.72	3	75	29	737	.70	1.04
1¼	31.8	1.87	47.1	250	1.72	4	100	29	737	.99	1.48
1½	38.1	2.08	52.8	250	1.72	4	100	29	737	1.15	1.71
2	50.8	2.59	65.8	250	1.72	5	125	29	737	1.44	2.14
2½	63.5	3.11	79.0	250	1.72	6	150	29	737	1.84	2.74
3	76.2	3.65	92.7	250	1.72	7	175	29	737	2.39	3.56
4	101.6	4.83	122.7	250	1.72	10	254	29	737	3.76	5.60
5	127.0	5.87	149.0	250	1.72	20	500	29	737	5.10	7.60
6	152.4	7.21	183.3	250	1.72	24	600	29	737	8.46	12.60

GOODYEAR
ENGINEERED PRODUCTS

PLICORD® OILFIELD FRAC



Product Specifications

- APPLICATION:** A rugged and flexible hose designed to convey crude oil and oil slurry mixtures for Frac tank connections.
- CONSTRUCTION**
 - TUBE:** Black Nitrile
 - COVER:** Black Chemivic™, smooth cover with wrapped finish. Also available with ARC treatment for improved abrasion resistance.
- REINFORCEMENT:** Multiple plies of synthetic fabric
- TEMPERATURE:** -25°F to 180°F (-32°C to 82°C)
- PACKAGING:** 100' length, coiled and polywrapped
- BRANDING (SPIRAL):** Goodyear® Oilfield Fracturing Hose
- COUPLINGS:** Swage-on coupling; contact coupling manufacturer
- ORDER CODES:** 543-827 543-710 (ARC Treatment) 541-710

PLICORD® OILFIELD FRAC

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m
3	76.2	3.87	98.30	400	2.76	2.52	3.74
4	101.6	4.76	120.85	400	2.76	2.85	4.21
6	152.0	6.77	175.00	400	2.76	4.6	6.84

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

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SYSTEMS

APPENDIX

PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

APPENDIX

PLICORD® LW BLACK FLEXTRA II™



Product Specifications

APPLICATION:	Used by tank trucks, bulk petroleum stations, and others to transfer ethanol blends and petroleum products under pressure, suction and/or gravity flow. Extremely flexible and lightweight to provide excellent service. Not recommended where aromatic content exceeds 50%.
CONSTRUCTION TUBE:	Black Nitrile RMA Class A (High Oil Resistance)
COVER:	Black Chemivic™ (corrugated)
REINFORCEMENT:	Spiral-plyed synthetic fabric with double wire helix
TEMPERATURE:	-40°F to 180°F (-40°C to 82°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING (SPIRAL):	Example: Goodyear® LW Black Flextra II™ 75 psi Max WP
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	For special production run minimum requirements, see Appendix D.
ORDER CODES:	543-562

PLICORD® LW BLACK FLEXTRA II™

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.42	61.5	75	0.52	3	76	29	737	0.94	1.40
2½	63.5	2.92	74.2	75	0.52	4	102	29	737	1.22	1.82
3	76.2	3.40	86.4	75	0.52	4	102	29	737	1.39	2.07
4	101.6	4.53	115.1	75	0.52	7	178	29	737	2.37	3.53

FLEXWING® OILFIELD



Product Specifications

- APPLICATION:** For use in transfer hose service, cleaning sediment from oil storage tanks and other general service applications. The tube is an oil-resistant synthetic rubber. Do not use with gasoline and other refined products when aromatic content exceeds 35%.
- CONSTRUCTION TUBE:** Synthetic rubber
- COVER:** Black Plioflex® synthetic rubber (smooth cover)
- REINFORCEMENT:** Spiral-plyed synthetic fabric with wire helix
- TEMPERATURE:** -25°F to 180°F (-32°C to 82°C)
- PACKAGING:** 100' lengths, coiled and polywrapped
- BRANDING (SPIRAL):** Example: Goodyear® Flexwing® Oilfield
- COUPLINGS:** Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See the Coupling Systems information pages at the back of the catalog.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 543-655

FLEXWING® OILFIELD

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1½	38.1	1.97	50.0	150	1.03	4.00	102	29	737	0.86	1.28
2	50.8	2.48	63.0	150	1.03	4.50	114	29	737	1.12	1.67
2½	63.5	3.00	76.2	150	1.03	5.75	146	29	737	1.40	2.08
3	76.2	3.53	89.7	150	1.03	7.00	178	29	737	1.85	2.75
4	101.6	4.59	116.6	150	1.03	10.00	254	29	737	2.66	3.96

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

APPENDIX

PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

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Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

APPENDIX

FLEXTRA® OILFIELD



Product Specifications

APPLICATION:	Flextra® Oilfield transfer hose is designed for use in tank truck or in-plant applications for the transfer of DILUTED industrial chemicals and petroleum waste, sludge and sediments. It is not recommended for refined petroleum products or concentrated industrial chemicals. DO NOT use with gasoline and other refined products when aromatic content exceeds 35%.
CONSTRUCTION	
TUBE:	Synthetic rubber
COVER:	Black Plioflex® synthetic rubber (corrugated cover)
REINFORCEMENT:	Spiral-plyed synthetic fabric with double wire helix
TEMPERATURE:	-25°F to 180°F (-32°C to 82°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING (SPIRAL):	Example: Goodyear® Flextra® Oilfield
COUPLINGS:	Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See the Coupling Systems information pages at the back of the catalog.
NON-STOCK/SIZES:	For special production run minimum requirements, see Appendix D.
ORDER CODES:	543-691

FLEXTRA® OILFIELD

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1¼	25.4	1.63	41.4	150	1.03	3	75	29	737	0.57	0.85
1½	38.1	1.92	48.8	150	1.03	4	100	29	737	0.74	1.10
2	50.8	2.44	62.0	125	0.86	4	102	29	737	0.94	1.4
3	76.2	3.52	89.4	125	0.86	6	152	29	737	1.71	2.54
4	101.6	4.52	114.8	100	0.69	8	203	29	737	2.17	3.23

GOODYEAR
ENGINEERED PRODUCTS

PLICORD® ARCTIC FLEXWING®



Product Specifications

- APPLICATION:** Plicord® Arctic Flexwing® is for use in low-temperature operations for transferring gasoline, oil and other petroleum products.
- CONSTRUCTION TUBE:** Ultra-low temperature oil resistant synthetic rubber RMA Class A (High Oil Resistance)
- COVER:** Blue ultra-low temperature synthetic rubber RMA Class A (High Oil Resistance) with red spiral stripe. Smooth cover, wrapped finish
- REINFORCEMENT:** Spiral-plyed synthetic fabric with wire helix
- TEMPERATURE:** -65°F to 180°F (-54°C to 82°C)
- PACKAGING:** 100' lengths, coiled and polywrapped
- BRANDING (SPIRAL):** Example: Goodyear® Arctic Flexwing® 150 psi WP
- COUPLINGS:** Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See the Coupling Systems information pages at the back of the catalog.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 543-650

PLICORD® ARCTIC FLEXWING®

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1¼	31.8	1.73	43.9	150	1.03	3	80	29	737	0.66	0.98
1½	38.1	1.98	50.3	150	1.03	4	102	29	737	0.82	1.22
2	50.8	2.50	63.5	150	1.03	5	127	29	737	1.07	1.59
2½	63.5	3.09	78.5	150	1.03	6	152	29	737	1.64	2.44
3	76.2	3.58	90.9	150	1.03	7	178	29	737	1.92	2.86
4	101.6	4.70	119.4	150	1.03	10	254	29	737	2.88	4.29

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

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PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

APPENDIX

LW ARCTIC TANK TRUCK



Product Specifications

APPLICATION:	For transfer of petroleum-based products under suction, low-pressure discharge or gravity flow. Flexibility maintained down to -65°F (-54°C).
CONSTRUCTION	
TUBE:	Black Nitrile RMA Class A (High Oil Resistance)
COVER:	Blue Wingprene® (corrugated)
REINFORCEMENT:	Spiral-ply synthetic fabric with double wire helix
TEMPERATURE:	-65°F to 180°F (-54°C to 82°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING (SPIRAL):	Example: Goodyear® LW Arctic Tank Truck 150 psi/10 Bar
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	For special production run minimum requirements, see Appendix D.
ORDER CODES:	543-365

LW ARCTIC TANK TRUCK

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.53	64.3	200	1.38	4	100	29	737	1.11	1.64
2½	63.5	3.02	76.7	150	1.03	5	125	29	737	1.42	2.11
3	76.2	3.55	90.2	150	1.03	6	150	29	737	1.83	2.72
4	101.6	4.61	117.1	150	1.03	9	225	29	737	2.62	3.90

PLICORD® WASTE MATE™



Product Specifications

- APPLICATION:** Designed for use in tank truck or in-plant applications for the transfer of DILUTED industrial chemicals and petroleum waste, sludge and sediments. It is not recommended for refined petroleum products or concentrated industrial chemicals.
- CONSTRUCTION**
TUBE: Black Nitrile RMA Class A (High Oil Resistance)
- COVER:** Black SBR (wrapped cover) orange branding tape
- REINFORCEMENT:** Spiral-plyed synthetic fabric with wire helix
- TEMPERATURE:** -25°F to 180°F (-32°C to 82°C)
- PACKAGING:** 100' length, coiled, polywrapped
- BRANDING (SPIRAL):** Example: Goodyear® Plicord® Waste Mate™ 150 psi
- COUPLINGS:** Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See the Coupling Systems information pages at the back of the catalog.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 549-853

PLICORD® WASTE MATE™

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
2	50.8	2.48	63.0	150	1.03	4	102	29	737	1.11	1.65
2½	63.5	3.00	76.2	150	1.03	5	127	29	737	1.42	2.11
3	76.2	3.52	89.4	150	1.03	6	152	29	737	1.88	2.80
4	101.6	4.58	116.3	150	1.03	8	203	29	737	2.62	3.90

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

APPENDIX

PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

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PLICORD® FUEL DISCHARGE



Product Specifications

- APPLICATION:** Plicord® Fuel Discharge hose is for the discharge of gasoline, oil, ethanol blends and other petroleum based products in tank and industrial applications.
- CONSTRUCTION**
TUBE: Nitrile synthetic rubber RMA Class A (High Oil Resistance), plus antistatic wires
- COVER:** Black Chemivic™ synthetic rubber RMA Class B (Medium-High Oil Resistance)
- REINFORCEMENT:** Spiral-plyed synthetic fabric (2"–4": 2 ply; 6": 4 ply), plus grounding wires
- TEMPERATURE:** -35°F to 180°F (-37°C to 82°C)
- PACKAGING:** 100' lengths, coiled and polywrapped
- BRANDING (SPIRAL):** Example: Goodyear® Plicord® Fuel Discharge
- COUPLINGS:** Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See the Coupling Systems information pages at the back of the catalog.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 543-331

PLICORD® FUEL DISCHARGE

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
3/4	19.1	1.21	30.7	150	1.03	0.42	0.63
1	25.4	1.46	37.1	150	1.03	0.52	0.77
1¼	31.8	1.72	43.7	150	1.03	0.63	0.94
1½	38.1	1.95	49.5	150	1.03	0.73	1.09
2	50.8	2.49	63.3	150	1.03	0.98	1.46
2½	63.5	2.98	75.7	150	1.03	1.19	1.77
3	76.2	3.50	88.9	150	1.03	1.45	2.16
3½	88.9	4.04	102.6	150	1.03	1.70	2.53
4	101.6	4.52	114.8	150	1.03	1.91	2.84
6	152.4	6.63	168.4	150	1.03	3.41	5.07

GOODYEAR
ENGINEERED PRODUCTS

PLICORD® EXTREMEFLEX™ PETROLEUM TRANSFER



Product Specifications

- APPLICATION:** An extremely flexible and lightweight drop hose for use in tank truck and in-plant operation to transfer diesel, ethanol, gasoline, oil and petroleum base products up to 60% aromatic content. Corrugated construction for lower drag coefficient and superior abrasion resistance.
- CONSTRUCTION TUBE:** Black Nitrile synthetic rubber (Class A oil resistance)
- COVER:** Black Chemivic™ synthetic (corrugated)
- REINFORCEMENT:** Spiral plied synthetic fabric with wire helix
- TEMPERATURE:** -40°F to 200°F (-40°C to 93°C)
- PACKAGING:** 100' Lengths, coiled and bagel packed
- BRANDING (SPIRAL):** Example: Plicord® ExtremeFlex™ Petroleum Transfer
- COUPLINGS:** Use Goodyear Engineered Products Insta-Lock™ Cam & Groove Fittings.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 543-216

PLICORD® EXTREMEFLEX™ PETROLEUM TRANSFER

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19	1.20	30.5	250	1.72	.75	19.05	29	737	0.44	0.65
1	25	1.45	36.8	250	1.72	1	25.40	29	737	0.55	0.81
1½	38	1.91	48.5	250	1.72	1.5	38.10	29	737	0.73	1.08
2	51	2.43	61.8	250	1.72	2	50.80	29	737	0.96	1.43
2½	63	3.00	76.1	200	1.37	2.5	63.50	29	737	1.41	2.10
3	76	3.50	88.8	200	1.37	3	76.20	29	737	1.69	2.51
4	102	4.56	115.7	150	1.03	4	101.60	29	737	2.42	3.61



AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
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Transfer

SPRAY

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VACUUM

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Discharge
Suction &
Discharge
Washdown

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SYSTEMS

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PETROLEUM

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

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Washdown

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Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock

Transfer

SPRAY

STEAM

VACUUM

VEYANCE

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Discharge
Washdown

WELDING

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SPIRAFLEX® POLYURETHANE VAPOR RECOVERY



Product Specifications

APPLICATION:	For the recovery of gasoline vapors in tank truck loading at bulk terminals and in tank truck unloading at service stations.
CONSTRUCTION TUBE:	Transparent polyurethane
COVER:	Transparent polyurethane
REINFORCEMENT:	Red rigid Pliovic® helix, available with static wire placed between the tube and cover
TEMPERATURE:	-30°F to 150°F (-34°C to 66°C)
PACKAGING:	100' lengths, coiled and polywrapped
BRANDING:	Not branded
COUPLINGS:	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
NON-STOCK/SIZES:	For special production run minimum requirements, see Appendix D.
ORDER CODES:	586-465 (without static wire) 586-468 (static wire)

SPIRAFLEX® POLYURETHANE VAPOR RECOVERY

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	lb./ft.	kg./m.
2	50.8	2.47	62.7	30	0.21	3	76	0.57	0.85
3	76.2	3.41	86.6	20	0.14	4	102	0.68	1.01
4	101.6	4.51	114.6	15	0.10	7	178	0.98	1.46

PYROFLEX® HOT TAR & ASPHALT II



Product Specifications

- APPLICATION:** For the transfer of high temperature petroleum-based materials such as tar, asphalt and hot oils. It is suitable for suction and discharge service on tank trucks, tank cars or at bulk stations. Heat resistant tube and Flexten reinforcement. (Hot oils only rated to 200°F)
- CONSTRUCTION TUBE:** Black Nitrile (special heat resistant) synthetic rubber RMA Class A (High Oil Resistance)
- COVER:** Black Wingprene® synthetic rubber RMA Class A (High Oil Resistance) with spiral red stripe
- REINFORCEMENT:** Spiral-plied Flexten® with wire helix
- TEMPERATURE:** -25°F to 350°F (-32°C to 177°C)
- PACKAGING:** 100' lengths, coiled and polywrapped
- BRANDING (SPIRAL):** Example: Goodyear® Pyroflex® Hot Tar and Asphalt II 150 psi
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 543-118

PYROFLEX® HOT TAR & ASPHALT II

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1½	38.1	2.08	52.8	150	1.03	4	102	29	737	1.04	1.55
2	50.8	2.60	66.0	150	1.03	5	127	29	737	1.33	1.98
2½	63.5	3.09	78.6	150	1.03	6	152	29	737	1.67	2.49
3	76.2	3.65	92.8	150	1.03	7	178	29	737	2.23	3.32
4	101.6	4.68	118.8	150	1.03	10	254	29	737	2.91	4.34

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

MINING

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

APPENDIX

PETROLEUM

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WELDING

COUPLING
SYSTEMS

APPENDIX

PYROFLEX® HOT TAR WAND



Product Specifications

- APPLICATION:** A high quality wand hose used in asphalt crack filling applicator and dispensing service.
- CONSTRUCTION**
TUBE: Black Nitrile (special heat resistance)
- COVER:** Black Wingprene® (wrapped finish) flame-retardant
- REINFORCEMENT:** Spiral-plied (2) steel wire
- TEMPERATURE:** -25°F to 350°F (-32°C to 177°C)
- PACKAGING:** 100' lengths, coiled and polywrapped
- BRANDING (SPIRAL):** Example: Goodyear® Pyroflex® Hot Tar Wand Hose
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** For special production run minimum requirements, see Appendix D.
- ORDER CODES:** 543-632

PYROFLEX® HOT TAR WAND

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m.
3/4	19.1	1.33	33.8	300	2.07	0.64	0.95
1	25.4	1.61	40.9	300	2.07	0.84	1.25
1½	38.1	2.11	53.6	300	2.07	1.15	1.71

GOODYEAR
ENGINEERED PRODUCTS