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## AIRCRAFT FUELING



	Page	API 1529	NFPA	EN 1361	Static Dissipating Cover
Advantage™	139	Yes			Yes
Deadman Aircraft Refueling	140				
Jet Ranger™	138	Yes		Yes	Yes
Refueling Sensing	141				
Wingcraft™	137	Yes	Yes		Yes

## 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:** 543-738

### 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.

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## JET RANGER™



### Product Specifications

<b>APPLICATION:</b>	Used in the fueling and defueling of commercial and private aircraft. Resistant to jet fuel and higher aromatic aviation gasolenes. Also for use on hydrant service. Meets both API 1529–6th edition, 2005 and European Standard BS EN 1361; 2004.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Black Nitrile synthetic rubber
<b>COVER:</b>	Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber (wrapped finish)
<b>REINFORCEMENT:</b>	Spiral-plyed (4) synthetic fabric and one nylon breaker
<b>TEMPERATURE:</b>	-35°F to 200°F (-37°C to 93°C)
<b>PACKAGING:</b>	Cut lengths, coiled and polywrapped
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Jet Ranger EN 1361:2004/C/ , NFPA 407 API/IP 1529/2005 Type C, Grade 2, 2 1/2", 2000 Kpa/20 bars/300 psi MAX WP.
<b>COUPLINGS:</b>	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
<b>NON-STOCKSIZES:</b>	Refer to page 311 for special production run minimum requirements.
<b>ORDER CODES:</b>	543-742

### 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
1 <sup>31</sup> / <sub>32</sub>	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

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

## 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-plyed (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.

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## DEADMAN AIRCRAFT REFUELING



### Product Specifications

<b>APPLICATION:</b>	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.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Nitrile synthetic rubber, RMA Class A (High Oil Resistance)
<b>COVER:</b>	Red/Green Chemivic™ synthetic rubber, RMA Class A (High Oil Resistance)
<b>REINFORCEMENT:</b>	Spiral synthetic yarn
<b>TEMPERATURE:</b>	-20°F to 140°F (-29°C to 60°C)
<b>PACKAGING:</b>	450–750', maximum 3 pieces, minimum 35'
<b>BRANDING (SPIRAL):</b>	Permanent contrasting black ink on the Red Hose only. Example: 1/4" ID. Aircraft Fueling Deadman. Made in USA Goodyear®.
<b>COUPLINGS:</b>	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
<b>NON-STOCKSIZES:</b>	Refer to page 311 for special production run minimum requirements.
<b>ORDER CODES:</b>	569-601

### 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

## 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-STOCKSIZES:** Refer to page 311 for special production run minimum requirements.
- 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

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# PETROLEUM

## DISPENSING



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	Page	CUL and/or UL Approved	Gasoline	Diesel	Biodiesel*	Ethanol**	Wire Reinforcement	Textile Reinforcement
Aggie Gas	149		Yes	Yes		Yes		Yes
Ambassador®	150	Yes	Yes	Yes	Yes	Yes	Yes	
Arctic Softwall	151	Yes	Yes	Yes				Yes
BC Gasoline	152	Yes	Yes	Yes	Yes	Yes		Yes
BC Marina	153	Yes	Yes	Yes		Yes		Yes
Flexsteel® Futura™	143	Yes	Yes	Yes	Yes	Yes	Yes	
Flexsteel® Hardwall	144	Yes	Yes	Yes	Yes	Yes	Yes	
Flexsteel® Vapor Assist	145	Yes	Yes				Yes	
Maxxim® Premier	146	Yes	Yes				Yes	
Maxxim® Premier Plus™	147	Yes	Yes				Yes	
Pacer™	148	Yes	Yes	Yes	Yes	Yes		Yes
Redwing® Fuel Oil	154		Yes	Yes				Yes

\* Biodiesel blends up to B20

\*\* Ethanol up to E85

## 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:** Refer to page 311 for special production run minimum requirements.

### FLEXSTEEL® FUTURA™

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® 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:** Black, 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:** Refer to page 311 for special production run minimum requirements.
- ORDER CODES:** 532-327 (black)      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	0.44	0.65
1	25.4	1.38	35.1	0.57	0.85

## FLEXSTEEL® 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® Vapor Assist is C.A.R.B. and UL 330 approved.
- CONSTRUCTION**  
**TUBE:** Nitrile synthetic rubber (ORS)
- COVER:** Chemivic™ 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® UL Listed Flexsteel® Vapor Assist II.  
Example: 7/8" Goodyear® UL Listed Flexsteel® Vapor Assist.
- COUPLINGS:** Available only as factory coupled assembly.
- NON-STOCK/SIZES:** Refer to page 311 for special production run minimum requirements.
- ORDER CODES:** 532-362

### FLEXSTEEL® VAPOR ASSIST

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.13	28.7	0.47	0.70
7/8	22.2	1.25	31.8	0.51	0.76

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## MAXXIM PREMIER™



### Product Specifications

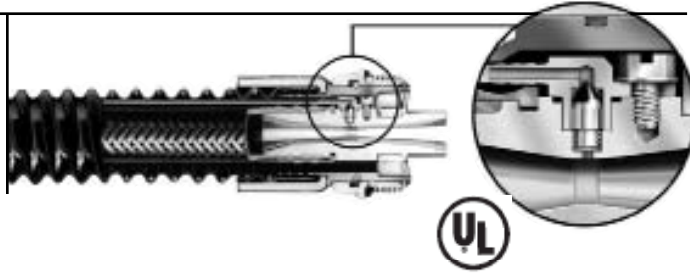
- APPLICATION:** For Stage II Balance Systems where the gasoline vapors from the fill pipe are pushed back through the outer hose. The outer vapor hose has a textile-reinforced thermoplastic layer over a wire helix. The textile-reinforced thermoplastic cover has maximum puncture resistance, stable dimensions 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:** Refer to page 311 for special production run minimum requirements.
- 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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ENGINEERED PRODUCTS

## 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. 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:** Refer to page 311 for special production run minimum requirements.
- ORDER CODES:** 532-365-441

### 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

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## 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:** Refer to page 311 for special production run minimum requirements.
- 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



## 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: 3/4" Agricultural Gasoline Goodyear®.
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** Refer to page 311 for special production run minimum requirements.

### AGGIE GAS - NO STATIC WIRE

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

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

### AGGIE GAS - WITH STATIC WIRE

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

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

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

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Discharge  
Suction &  
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## AMBASSADOR®



### Product Specifications

- APPLICATION:** A premium hardwall curb pump hose made with a special synthetic "ozone-resistant" cover compound which virtually eliminates weather checking. The wire-braid construction provides excellent kink resistance, low computer creep and long service life. UL 330 and CUL approved.
- CONSTRUCTION TUBE:** Synthetic rubber (ORS)
- COVER:** Black synthetic rubber (ORS)
- REINFORCEMENT:** Braided (1) steel wire
- TEMPERATURE:** -40°F to 140°F (-40°C to 60°C)
- PACKAGING:** Reels or coupled lengths, 10 pieces per box
- BRANDING:** Example: Goodyear® 559N, 5/8" UL Listed Ambassador® Hardwall.
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** Refer to page 311 for special production run minimum requirements.
- ORDER CODES:** 532-353 (colors only)

### AMBASSADOR®

ID		NOM. OD		WEIGHT	
in.	mm.	in.	mm.	lb./ft.	kg./m.
5/8	15.9	1.00	25.4	0.41	0.61
3/4	19.1	1.13	28.7	0.47	0.70

## 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:** 3/4" 500' reels +/- 50', minimum 50', maximum 3 pieces  
1" 275' reels +/- 25', 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:** Refer to page 311 for special production run minimum requirements.
- 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

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## BC GASOLINE

GOODYEAR 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:** Refer to page 311 for special production run minimum requirements.
- 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:** Refer to page 311 for special production run minimum requirements.
- 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  
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MARINE

MATERIAL  
HANDLING  
Abrasives  
Bulk Transfer  
Cement & Concrete

MINING

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Aircraft Fueling  
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## REDWING® FUEL OIL



### Product Specifications

<b>APPLICATION:</b>	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.
<b>CONSTRUCTION TUBE:</b>	Nitrile synthetic rubber (ORS)
<b>COVER:</b>	Red Chemivic™ synthetic rubber (smooth finish) (ORS)
<b>REINFORCEMENT:</b>	Braided (2) synthetic yarn
<b>TEMPERATURE:</b>	-40°F to 140°F (-40°C to 60°C)
<b>PACKAGING:</b>	Reels, cut lengths, and coupled lengths
<b>BRANDING:</b>	Example: 1" (25.4 mm) 2 BD Redwing® Fuel Oil Goodyear®. Made in USA.
<b>COUPLINGS:</b>	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
<b>NON-STOCK/SIZES:</b>	Refer to page 311 for special production run minimum requirements.
<b>ORDER CODES:</b>	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



# PETROLEUM

AIR &  
MULTIPURPOSE  
General Purpose  
Heavy Duty  
Push-on

CHEMICAL  
TRANSFER

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## DOCK



	Page	Nitrile Tube	Flosyn Tube	Max W.P.	Corrugated	Temp Range	Built-in Nipple	Swage Nipple*
Flexdock® 225	157	Yes	Yes	225	Yes	-25°F to 200°F	Yes	Yes
Flexdock® 300	158	Yes	Yes	300	Yes	-25°F to 200°F	Yes	Yes
Hot Tar & Asphalt Rough Bore	164	Yes		200		-25°F to 350°F	Yes	
Hot Tar & Asphalt Smooth Bore	164	Yes		200		-25°F to 350°F	Yes	
Lightwing™	165	Yes		250		-22°F to 126°F		
Smooth Bore Dock 200	159	Yes	Yes	200		-25°F to 200°F	Yes	Yes
Smooth Bore Dock 300	160	Yes	Yes	300		-25°F to 200°F	Yes	Yes
Tanker Barge Discharge	161	Yes	Yes	200		-25°F to 220°F	Yes	Yes
Thor™ Submarine	163	Yes		250		-25°F to 180°F	Yes	
Vapor Recovery Dock	162	Yes	Yes	25	Yes	-25°F to 200°F	Yes	Yes

\* Up to 10" ID

## FLEXDOCK® 225



### Product Specifications

<b>APPLICATION:</b>	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.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
<b>COVER:</b>	Black Wingprene® synthetic cover, corrugated, wrapped finish
<b>REINFORCEMENT:</b>	Spiral-ply heavy-duty synthetic fabric with double wire helix
<b>TEMPERATURE:</b>	-25°F to 200°F (-32°C to 93°C)
<b>PACKAGING:</b>	Chloroplast heavy-duty packaging
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Flexdock 225 psi WP Nitrile Oil Service.
<b>COUPLINGS:</b>	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.
<b>NON-STOCK/SIZES:</b>	Custom lengths available, contact customer service.
<b>ORDER CODES:</b>	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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EQUIPMENT

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MARINE

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HANDLING  
Abrasives  
Bulk Transfer  
Cement & Concrete

MINING

PETROLEUM  
Aircraft Fueling  
Dispensing  
Dock  
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SPRAY

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## FLEXDOCK® 300



### Product Specifications

<b>APPLICATION:</b>	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.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
<b>COVER:</b>	Black Wingprene® synthetic cover, corrugated, wrapped finish
<b>REINFORCEMENT:</b>	Heavy-duty synthetic fabric plies with double wire helix.
<b>TEMPERATURE:</b>	-25°F to 200°F (-32°C to 93°C)
<b>PACKAGING:</b>	Chloroplast heavy-duty packaging
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Flexdock 300 psi WP Nitrile Oil Service.
<b>COUPLINGS:</b>	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.
<b>NON-STOCK/SIZES:</b>	Custom lengths available, contact customer service.
<b>ORDER CODES:</b>	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

<b>APPLICATION:</b>	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.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
<b>COVER:</b>	Black Chemivic™ (smooth cover, wrap finish)
<b>REINFORCEMENT:</b>	Spiral plied synthetic fabric with wire helix
<b>TEMPERATURE:</b>	-25°F to 200°F (-32°C to 93°C)
<b>PACKAGING:</b>	Chloroplast heavy-duty packaging
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® SB Dock oil service, 200 psi WP Nitrile.
<b>COUPLINGS:</b>	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.
<b>NON-STOCK/SIZES:</b>	Custom lengths available, contact customer service.
<b>ORDER CODES:</b>	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 &  
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General Purpose  
Heavy Duty  
Push-on

CHEMICAL  
TRANSFER

CLEANING  
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MARINE

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## SMOOTH BORE DOCK 300



### Product Specifications

<b>APPLICATION:</b>	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.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
<b>COVER:</b>	Black Wingprene® synthetic rubber
<b>REINFORCEMENT:</b>	Spiral wire helix between plies of synthetic fabric
<b>TEMPERATURE:</b>	-25°F to 200°F (-32°C to 93°C)
<b>PACKAGING:</b>	Chloroplast heavy-duty packaging
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® SB Dock oil service, 300 psi WP Nitrile.
<b>COUPLINGS:</b>	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.
<b>NON-STOCK/SIZES:</b>	Custom lengths available, contact customer service.
<b>ORDER CODES:</b>	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.

## 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)      541-427 (Flosyn® 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

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 &  
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Washdown

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MULTIPURPOSE  
General Purpose  
Heavy Duty  
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Aircraft Fueling  
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## VAPOR RECOVERY DOCK



### Product Specifications

<b>APPLICATION:</b>	For use in the recovery of petroleum vapors during the transfer of petroleum-based products between docks and tankers or barges.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics.
<b>COVER:</b>	Black Chemivic™ synthetic rubber (corrugated)
<b>REINFORCEMENT:</b>	Synthetic fabric plies plus two (2) wire helix
<b>TEMPERATURE:</b>	-25°F to 200°F (-32°C to 93°C)
<b>PACKAGING:</b>	Chloroplast heavy-duty packaging
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Vapor Recovery 25 psi MWP.
<b>COUPLINGS:</b>	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.
<b>NON-STOCK/SIZES:</b>	Custom lengths available, contact customer service.
<b>ORDER CODES:</b>	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.

## THOR™ SUBMARINE



### Product Specifications

<b>APPLICATION:</b>	For the transfer of petroleum products between docks and tankers when the hose is partially or completely submerged. It is rated at 250 psi (1.73 Mpa) maximum working pressure.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Nitrile synthetic rubber
<b>COVER:</b>	1/4" Black Plioflex® synthetic rubber
<b>REINFORCEMENT:</b>	Spiral wire helix between plies of synthetic fabric
<b>TEMPERATURE:</b>	-25°F to 180°F (-32°C to 82°C)
<b>PACKAGING:</b>	Heavy-duty plastic packaging
<b>BRANDING (IMPRESSION):</b>	Example: Goodyear® SB Submarine oil service, Nitrile 225 psi WP.
<b>COUPLINGS:</b>	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.
<b>NON-STOCK/SIZES:</b>	Custom lengths available, contact customer service.
<b>ORDER CODES:</b>	541-577

### THOR™ SUBMARINE

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

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MULTIPURPOSE  
General Purpose  
Heavy Duty  
Push-on

CHEMICAL  
TRANSFER

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FOOD  
Transfer  
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MARINE

MATERIAL  
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Abrasives  
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MINING

PETROLEUM  
Aircraft Fueling  
Dispensing  
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Transfer

SPRAY

STEAM

VACUUM

VEYANCE

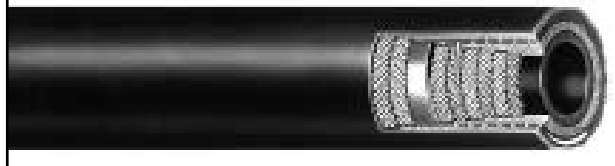
WATER  
Discharge  
Suction &  
Discharge  
Washdown

WELDING

COUPLING  
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## 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-ply 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

## LIGHTWING™ LIGHTERING STS HELIX-FREE HOSE

### Product Specifications



- APPLICATION:** Designed for the transfer of crude oil and petroleum based products for ship to ship lightering service, under all types of service conditions. All sizes rated for vacuum. Maximum flow rate 70 ft/sec (21m/s).
- CONSTRUCTION**  
**TUBE:** Code 541-432 Black nitrile for up to 50% aromatic content  
 Code 541-718 Black nitrile with static dissipating properties for up to 60% aromatic content
- COVER:** Black Wingprene® (spiral cloth wrap finish)
- REINFORCEMENT:** Helix free, synthetic fabric, heavy duty wall
- TEMPERATURE:** -22°F to 176°F (-30°C to 80°C)
- PACKAGING:** Chloroplast sheet wrap. Also available in corrugated plastic culvert packaging.
- BRANDING:** Example: Lightwing™ Lightering STS Helix-Free 15 Bar
- COUPLINGS:** Coupled with carbon steel built-in nipples with hot dip galvanized (HDG) flange. Standard flange supplied to bolt hole to ANSI-B16.5 class 150, Flat Face Slip-On (FFSO) or Lap Joint (floating), other specifications are available on demand. Available in Raise Face and Weld Neck type.
- NON-STOCK/SIZES:** Custom lengths available, contact customer service.
- ORDER CODES:** 541-432, 541-718

### LENGTH AND WEIGHTS

LENGTH METERS	7.6		8.5		9.1		10	
LENGTH FEET	25		28		30		32.5	
diameter	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.
4	248	113	268	122	281	128	297	135
6	433	197	467	212	490	223	518	235
8	715	325	773	351	812	369	861	391
10	1073	488	1159	527	1216	553	1288	585
12	1314	597	1415	643	1483	674	1567	712

### HOSE DIMENSIONS

Nominal Inside Diameter		Inside Diameter	Outside Diameter	Weight
in.	mm.	mm.	mm.	kg./m.
4	100	102	143	9.7
6	150	153	203	17.0
8	200	204	268	28.9
10	250	254	331	42.8
12	300	305	382	49.9

### FLOW RATES

diameter	Max flow rated based on 21m/sec max	
	M <sup>3</sup> /Hr	bbbl/Hr
4	600	3,800
6	1,350	8,400
8	2,400	15,200
10	3,800	23,900
12	5,500	34,400

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

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Discharge  
Suction &  
Discharge  
Washdown

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# PETROLEUM

## TRANSFER



AIR &  
MULTIPURPOSE  
General Purpose  
Heavy Duty  
Push-on

CHEMICAL  
TRANSFER

CLEANING  
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FOOD  
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MARINE

MATERIAL  
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Bulk Transfer  
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MINING

**PETROLEUM**  
Aircraft Fueling  
Dispensing  
Dock  
Transfer

SPRAY

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	Page	Temp Range	Refined Fuels	Corrugated Cover	Lightweight
Flextra® Oilfield	176	-25°F to 180°F		Yes	
Flexwing® Oilfield	175	-25°F to 180°F			
Flexwing VersaFuel™	167	-30°F to 180°F	Yes		
Infinity™	168	-40°F to 160°F	Yes	Yes	Yes
Infinity™ HD	169	-40°F to 160°F	Yes	Yes	Yes
LW Arctic Tank Truck	178	-65°F to 180°F		Yes	Yes
Paladin®	171	-40°F to 160°F	Yes	Yes	Yes
Plicord® Arctic Flexwing®	177	-65°F to 180°F	Yes		
Plicord® ExtremeFlex™	184	-40°F to 200°F	Yes	Yes	Yes
Plicord® Flexwing® Petroleum	170	-35°F to 200°F	Yes		
Plicord® Fuel Discharge	180	-35°F to 180°F	Yes		
Plicord® LW Black Flextra II™	174	-40°F to 200°F	Yes	Yes	Yes
Plicord® Super Black Flexwing®	173	-35°F to 200°F	Yes		
Plicord® Waste Mate™	179	-25°F to 180°F			
Pyroflex® Hot Tar & Asphalt II	182	-25°F to 350°F			
Pyroflex® Hot Tar Wand	183	-25°F to 350°F			
Red Flextra® 100	172	-30°F to 180°F	Yes	Yes	Yes
Red Flextra® 150	172	-30°F to 180°F	Yes	Yes	Yes
Redwing® Fuel Oil	154	-40°F to 180°F			
Spiraflex® Polyurethane Vapor Recovery	181	-30°F to 150°F		Yes	Yes

## FLEXWING VERSAFUEL™



### Product Specifications

<b>APPLICATION:</b>	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.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Synthetic rubber (static dissipating).
<b>COVER:</b>	Black synthetic rubber with excellent resistance to biodiesel, ethanol, oil/petroleum products and abrasion.
<b>REINFORCEMENT:</b>	Spiral-plyed synthetic fabric with helix wire.
<b>TEMPERATURE:</b>	-30°F to 180°F (-34°C to 82°C)
<b>PACKAGING:</b>	100' lengths, coiled and polywrapped.
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Flexwing VersaFuel™ 150 PSI WP.
<b>COUPLINGS:</b>	Use Goodyear Engineered Products Insta-Lock™ Cam and Groove fittings with this product.
<b>NON-STOCK/SIZES:</b>	400' minimum order
<b>ORDER CODES:</b>	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

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  
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# PETROLEUM

AIR &  
MULTIPURPOSE  
General Purpose  
Heavy Duty  
Push-on

CHEMICAL  
TRANSFER

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MARINE

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PETROLEUM  
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SPRAY

STEAM

VACUUM

VEYANCE

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Discharge  
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## INFINITY™ 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, 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	.69	2.0	1.46	23	584	1.46	2.18
4	102.0	4.80	121.47	75	.52	2.5	1.73	23	584	1.73	2.57



## 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 Insta-Lock Cam & Groove Fittings with this product. See the Industrial Hose Products catalog for available Insta-Lock products.
- 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

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

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MARINE

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HANDLING  
Abrasives  
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Cement & Concrete

MINING

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## PLICORD® FLEXWING® PETROLEUM



### Product Specifications

<b>APPLICATION:</b>	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.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Nitrile synthetic rubber RMA Class A (High Oil Resistance)
<b>COVER:</b>	Black (red spiral stripe) or Red Chemivic™ (white spiral stripe) synthetic rubber (oil resistant); smooth cover; wrapped finish
<b>REINFORCEMENT:</b>	Spiral-plied synthetic fabric with wire helix
<b>TEMPERATURE:</b>	-35°F to 200°F (-37°C to 93°C)
<b>PACKAGING:</b>	100' lengths, coiled and polywrapped
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Flexwing® Petroleum 150 psi WP.
<b>COUPLINGS:</b>	Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See page 233 for available Insta-Lock products.
<b>NON-STOCK/SIZES:</b>	Refer to page 311 for special production run minimum requirements.
<b>ORDER CODES:</b>	543-109 (black)      543-110 (red)

### 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

**GOODYEAR**  
ENGINEERED PRODUCTS

## 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 page 233 for available Insta-Lock products.
- NON-STOCK/SIZES:** Refer to page 311 for special production run minimum requirements.
- 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

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

APPENDIX

## RED FLEXTRA®



### Product Specifications

<b>APPLICATION:</b>	For the transfer of ethanol blends, gasoline and other petroleum-based products under pressure, gravity flow or full-suction where maximum flexibility is needed.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Nitrile synthetic rubber RMA Class A (High Oil Resistance)
<b>COVER:</b>	Red Wingprene®, corrugated synthetic rubber RMA Class A (High Oil Resistance).
<b>REINFORCEMENT:</b>	Spiral-plyed synthetic fabric with double wire helix
<b>TEMPERATURE:</b>	-30°F to 180°F (-34°C to 82°C)
<b>PACKAGING:</b>	100' lengths, coiled and polywrapped
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Red Flextra® Made in Canada.
<b>COUPLINGS:</b>	Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See page 233 for available Insta-Lock products.
<b>NON-STOCK/SIZES:</b>	Refer to page 311 for special production run minimum requirements.

ORDER CODES: 543-123

### RED FLEXTRA® 100

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

ORDER CODES: 543-120

### RED FLEXTRA® 150

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

**GOODYEAR**  
ENGINEERED PRODUCTS

## 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-plied 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 page 233 for available Insta-Lock products.
- NON-STOCK/SIZES:** Refer to page 311 for special production run minimum requirements.
- 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

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

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

<b>APPLICATION:</b>	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%.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Black Nitrile RMA Class A (High Oil Resistance)
<b>COVER:</b>	Black Chemivic™ (corrugated)
<b>REINFORCEMENT:</b>	Spiral-plyed synthetic fabric with double wire helix
<b>TEMPERATURE:</b>	-40°F to 180°F (-40°C to 82°C)
<b>PACKAGING:</b>	100' lengths, coiled and polywrapped
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® LW Black Flextra II™ 75 psi Max WP.
<b>COUPLINGS:</b>	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
<b>NON-STOCK/SIZES:</b>	Refer to page 311 for special production run minimum requirements.
<b>ORDER CODES:</b>	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

<b>APPLICATION:</b>	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%.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Synthetic rubber
<b>COVER:</b>	Black Plioflex® synthetic rubber (smooth cover)
<b>REINFORCEMENT:</b>	Spiral-plied synthetic fabric with wire helix
<b>TEMPERATURE:</b>	-25°F to 180°F (-32°C to 82°C)
<b>PACKAGING:</b>	100' lengths, coiled and polywrapped
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Flexwing® Oilfield.
<b>COUPLINGS:</b>	Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See page 233 for available Insta-Lock products.
<b>NON-STOCK/SIZES:</b>	Refer to page 311 for special production run minimum requirements.
<b>ORDER CODES:</b>	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

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

## FLEXTRA® OILFIELD



### Product Specifications

<b>APPLICATION:</b>	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%.
<b>CONSTRUCTION TUBE:</b>	Synthetic rubber
<b>COVER:</b>	Black Plioflex® synthetic rubber (corrugated cover)
<b>REINFORCEMENT:</b>	Spiral-plyed synthetic fabric with double wire helix
<b>TEMPERATURE:</b>	-25°F to 180°F (-32°C to 82°C)
<b>PACKAGING:</b>	100' lengths, coiled and polywrapped
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Flextra® Oilfield.
<b>COUPLINGS:</b>	Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See page 233 for available Insta-Lock products.
<b>NON-STOCK/SIZES:</b>	Refer to page 311 for special production run minimum requirements.
<b>ORDER CODES:</b>	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 page 233 for available Insta-Lock products.
- NON-STOCK/SIZES:** Refer to page 311 for special production run minimum requirements.
- 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

APPENDIX

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

<b>APPLICATION:</b>	For transfer of petroleum-based products under suction, low-pressure discharge or gravity flow. Flexibility maintained down to -65°F (-54°C).
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Black Nitrile RMA Class A (High Oil Resistance)
<b>COVER:</b>	Blue Wingprene® (corrugated)
<b>REINFORCEMENT:</b>	Spiral-plyed synthetic fabric with double wire helix
<b>TEMPERATURE:</b>	-65°F to 180°F (-54°C to 82°C)
<b>PACKAGING:</b>	100' lengths, coiled and polywrapped
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® LW Arctic Tank Truck 150 psi/10 Bar.
<b>COUPLINGS:</b>	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
<b>NON-STOCK/SIZES:</b>	Refer to page 311 for special production run minimum requirements.
<b>ORDER CODES:</b>	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

<b>APPLICATION:</b>	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.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Black Nitrile RMA Class A (High Oil Resistance)
<b>COVER:</b>	Black SBR (wrapped cover) orange branding tape
<b>REINFORCEMENT:</b>	Spiral-plyed synthetic fabric with wire helix
<b>TEMPERATURE:</b>	-25°F to 180°F (-32°C to 82°C)
<b>PACKAGING:</b>	100' length, coiled, polywrapped
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Plicord® Waste Mate 150 psi.
<b>COUPLINGS:</b>	Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See page 233 for available Insta-Lock products.
<b>NON-STOCK/SIZES:</b>	Refer to page 311 for special production run minimum requirements.
<b>ORDER CODES:</b>	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

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

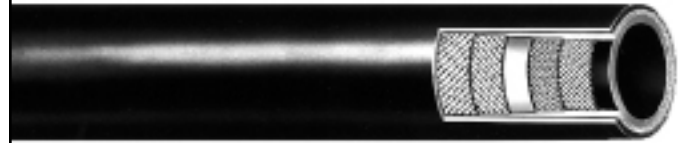
WATER  
Discharge  
Suction &  
Discharge  
Washdown

WELDING

COUPLING  
SYSTEMS

APPENDIX

## PLICORD® FUEL DISCHARGE



### Product Specifications

<b>APPLICATION:</b>	Plicord® Fuel Discharge hose is for the discharge of gasoline, oil, ethanol blends and other petroleum based products in tank and industrial applications.
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Nitrile synthetic rubber RMA Class A (High Oil Resistance), plus antistatic wires
<b>COVER:</b>	Black Chemivic™ synthetic rubber RMA Class A (High Oil Resistance)
<b>REINFORCEMENT:</b>	Spiral-plied synthetic fabric (2"–4": 2 ply; 6": 4 ply), plus grounding wires
<b>TEMPERATURE:</b>	-35°F to 180°F (-37°C to 82°C)
<b>PACKAGING:</b>	100' lengths, coiled and polywrapped
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Plicord® Fuel Discharge.
<b>COUPLINGS:</b>	Use Goodyear Engineered Products Insta-Lock Cam & Groove Fittings with this product. See page 233 for available Insta-Lock products.
<b>NON-STOCKSIZES:</b>	Refer to page 311 for special production run minimum requirements.
<b>ORDER CODES:</b>	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

## 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-STOCKSIZES:** Refer to page 311 for special production run minimum requirements.
- 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

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

AIR &  
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SYSTEMS

APPENDIX

## PYROFLEX® HOT TAR & ASPHALT II



### Product Specifications

<b>APPLICATION:</b>	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)
<b>CONSTRUCTION</b>	
<b>TUBE:</b>	Black Nitrile (special heat resistant) synthetic rubber RMA Class A (High Oil Resistance)
<b>COVER:</b>	Black Wingprene® synthetic rubber RMA Class A (High Oil Resistance) with spiral red stripe
<b>REINFORCEMENT:</b>	Spiral-ply Flexten® with wire helix
<b>TEMPERATURE:</b>	-25°F to 350°F (-32°C to 177°C)
<b>PACKAGING:</b>	100' lengths, coiled and polywrapped
<b>BRANDING (SPIRAL):</b>	Example: Goodyear® Pyroflex Hot Tar and Asphalt II 150 psi.
<b>COUPLINGS:</b>	Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
<b>NON-STOCK/SIZES:</b>	Refer to page 311 for special production run minimum requirements.
<b>ORDER CODES:</b>	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

## 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:** Refer to page 311 for special production run minimum requirements.
- 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

AIR &  
MULTIPURPOSE  
General Purpose  
Heavy Duty  
Push-on

CHEMICAL  
TRANSFER

CLEANING  
EQUIPMENT

FOOD  
Transfer  
Washdown

MARINE

MATERIAL  
HANDLING  
Abrasives  
Bulk Transfer  
Cement & Concrete

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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  
Transfer

SPRAY

STEAM

VACUUM

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WATER  
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Discharge  
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## PLICORD® EXTREMEFLEX™



### 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:** Refer to page 311 for special production run minimum requirements.
- ORDER CODES:** 543-216

### PLICORD® 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.
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

