

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

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	Page	Superior Abrasion Cover	MSHA	Non-conductive	Oil Resistance Tube*	Oil Resistance Cover*	Braided	Robotic Service	General Industrial
Autogrip®	31	Yes	Yes	Yes	B	A	Yes	Yes	Yes
Insta-Grip 250™	33			Yes	A	A			Yes
Insta-Grip 300™	32			Yes	A	B	Yes		Yes
Insta-Grip TC™	34				A	B	Yes		Yes
Ultra-Grip™	35	Yes	Yes	Yes	A	A	Yes	Yes	Yes

* Based on RMA Oil Classification, see page 297 for more information.



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APPLICATION:

A premium-quality push-on hose specifically designed for the rigors of robotic and automated applications where flexibility, high abuse resistance, and strength are desired. It is ideally suited for use in the demanding applications of the automotive assembly, pharmaceutical, material handling, and welding industries. Nonconductive, minimum electrical resistance greater than one (1) megohm per inch of hose length at 1000 Volts DC.

CONSTRUCTION TUBE:

Silicone not used in the manufacturing of this hose. Neoprene, seamless, heat- and oil-resistant, RMA Class B (Medium Oil Resistance)

COVER:

Weather-, abrasion- and oil-resistant Carbryn® synthetic rubber, RMA Class A (High Oil Resistance), MSHA approved

REINFORCEMENT:

Braided (1) high-strength yarn laid at the most effective angle for maximum coupling holding ability

TEMPERATURE:

-40°F to 200°F (-40°C to 93°C)

PACKAGING:

1/4" - 1" 500' reels, 4 piece maximum, 10' minimum

BRANDING:

Continuous brand example "Autogrip 9.5 mm (3/8") 21 Bar (300 psi) WP Flame Resistant USMHA 2G -14C/28. Made in USA by Goodyear™."

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure. USE ONLY WATER-BASED INSTALLATION LUBRICANTS.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

535-571 (black)	535-572 (blue)	535-573 (gray)
535-574 (green)	535-575 (red)	535-576 (white)
535-577 (brown)	535-578 (yellow)	

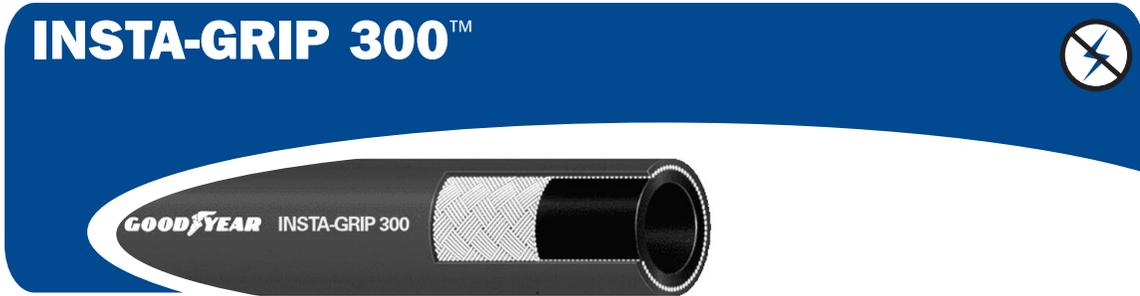
ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	lb./ft.	kg./m.
1/4	6.4	0.50	12.7	300	2.07	0.09	0.13
3/8	9.5	0.66	16.8	300	2.07	0.12	0.18
1/2	12.7	0.76	19.3	300	2.07	0.14	0.21
5/8	15.9	0.92	23.4	300	2.07	0.17	0.25
3/4	19.1	1.06	26.9	300	2.07	0.22	0.33
1	25.4	1.34	34.0	300	2.07	0.31	0.46



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APPLICATION: For use with push-on fittings at working pressures of 300 psi. For low-pressure hydraulic and pneumatic systems such as shop air systems, general industrial, maintenance, and automotive assembly applications. Nonconductive, minimum electrical resistance, greater than one (1) megohm per inch of hose length at 1000 Volts DC.

CONSTRUCTION TUBE: Silicone not used in the manufacturing of this hose. Chemivic® oil- and heat-resistant synthetic rubber, RMA Class A (High Oil Resistance)

COVER: Black, Green, Blue, Red, and Gray (others: contact customer service); weather-, abrasion-, and oil-resistant synthetic rubber. RMA Class B (Medium Oil Resistance)

REINFORCEMENT: Braided (1) high-strength synthetic yarn laid at the most effective angle for maximum strength and coupling holding ability

TEMPERATURE: -40°F to 190°F (-40°C to 88°C)

PACKAGING: 500' reels, maximum 4 pieces, 10' minimum

BRANDING: Continuous brand example "Insta-Grip 1/4" 300 psi WP. Made in USA by Goodyear™."

COUPLINGS: Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES: Refer to page 300 for special production run minimum requirements.

ORDER CODES: 535-278 (black) 535-279 (green) 535-294 (gray)
535-280 (red) 535-281 (blue) 535-277 (yellow)

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
1/4	6.4	0.54	13.7	300	2.07	3	64	0.09	0.13
5/16	7.9	0.62	15.7	300	2.07	3	76	0.12	0.18
3/8	9.5	0.69	17.5	300	2.07	3	76	0.14	0.21
1/2	12.7	0.81	20.6	300	2.07	5	127	0.17	0.25
5/8	15.9	0.93	23.6	300	2.07	6	152	0.20	0.30
3/4	19.1	1.07	27.2	300	2.07	7	178	0.26	0.39
1	25.4	1.34	34.0	300	2.07	8	203	0.34	0.51



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PUSH-ON

INSTA-GRIP 250™



- APPLICATION:** For use with push-on fittings at working pressures of 250 psi for industrial service. Nonconductive, minimum electrical resistance greater than one (1) megohm per inch of hose length at 1000 Volts DC.
- CONSTRUCTION**
- TUBE:** Chemivic® oil- and heat-resistant synthetic rubber, RMA Class A (High Oil Resistance)
- COVER:** Red, Black, or Green Chemivic®, RMA Class A (High Oil Resistance)
- REINFORCEMENT:** Spiral Flexten® yarn
- TEMPERATURE:** 500' reels, maximum 3 pieces, 50' increments
- PACKAGING:** -20°F to 190°F (-29°C to 88°C)
- BRANDING:** Continuous brand example "Insta-Grip Nonconductive 3/8" (9.5mm) 250 psi WP. Made in USA by Goodyear™."
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** Refer to page 300 for special production run minimum requirements.
- ORDER CODES:** 569-013 (red) 569-014 (black) 569-015 (green)

ID		NOM. OD		MAX. WP		WEIGHT	
<i>in.</i>	<i>mm.</i>	<i>in.</i>	<i>mm.</i>	<i>psi.</i>	<i>Mpa.</i>	<i>lb./ft.</i>	<i>kg./m.</i>
1/4	6.4	0.50	12.7	250	1.72	0.08	0.12
3/8	9.5	0.65	16.5	250	1.72	0.12	0.18
1/2	12.7	0.80	20.3	250	1.72	0.17	0.25
5/8	15.9	0.94	23.9	250	1.72	0.23	0.34
3/4	19.1	1.08	27.4	250	1.72	0.28	0.42

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- APPLICATION:** For low-pressure hydraulic and pneumatic systems such as shop air systems, general industrial, maintenance, and automotive assembly applications.
- CONSTRUCTION**
- TUBE:** Chemivic® oil- and heat-resistant synthetic rubber, RMA Class A (High Oil Resistance)
- COVER:** Black, dyed textile braid, mildew- and oil-resistant
- REINFORCEMENT:** Braided (1) high-strength synthetic yarn laid at an angle for strength and coupling holding ability
- TEMPERATURE:** -40°F to 190°F (-40°C to 88°C)
- PACKAGING:** 500' reels, maximum 4 pieces, 10' minimum length
- BRANDING:** Continuous brand example "Insta-Grip TC 3/8" 300 psi WP. Made in USA by Goodyear™."
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- NON-STOCK/SIZES:** Refer to page 300 for special production run minimum requirements.
- ORDER CODES:** 535-230

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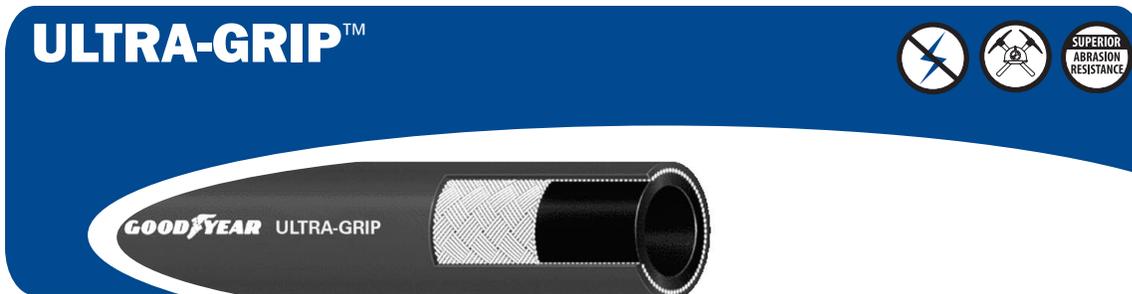
ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
1/4	6.4	0.50	12.7	300	2.07	3	64	0.08	0.12
5/16	8.0	0.56	14.2	300	2.07	3	76	0.09	0.13
3/8	9.5	0.64	16.3	300	2.07	3	76	0.11	0.16
1/2	12.7	0.75	19.1	300	2.07	5	127	0.13	0.19
5/8	15.9	0.91	23.1	300	2.07	6	152	0.19	0.28
3/4	19.1	1.03	26.2	300	2.07	7	178	0.21	0.31



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APPLICATION:

For use with push-on fittings at maximum working pressures of 300 psi. For low-pressure hydraulic pneumatic systems such as robotics, shop air systems, general industrial, maintenance, and automotive assembly applications. Nonconductive, minimum electrical resistance greater than one (1) megohm per inch of hose length at 1000 Volts DC.

CONSTRUCTION

TUBE:

Chemivic® oil- and heat-resistant synthetic rubber, RMA Class A (High Oil Resistance)

COVER:

Black, Blue, Gray, Green, Red, White, Brown, and Yellow (others: contact customer service), weather-, abrasion-, and oil-resistant Carbryn® rubber, RMA Class A (High Oil Resistance)

REINFORCEMENT:

Braided (1) high-strength synthetic yarn laid at an angle for strength and coupling holding ability

TEMPERATURE:

-40°F to 200°F (-40°C to 93°C)

PACKAGING:

500' reels, maximum 4 pieces, 10' minimum length

BRANDING:

Continuous brand example "Ultra-Grip Non-Conductive 3/8" 300 psi WP; Flame Resistant; USMSHA 2G-IC-14C/27 Made in USA. Goodyear™."

COUPLINGS:

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

ORDER CODES:

535-283 (black)	535-284 (blue)	535-285 (gray)
535-286 (green)	535-289 (red)	535-290 (white)
535-292 (brown)	535-551 (yellow)	

ID		NOM. OD		MAX. WP		BEND RADIUS		WEIGHT	
in.	mm.	in.	mm.	psi.	Mpa.	in.	mm.	lb./ft.	kg./m.
3/16	4.8	0.36	9.1	300	2.07	3	64	0.04	0.06
1/4	6.4	0.51	13.0	300	2.07	3	64	0.08	0.12
3/8	9.5	0.67	17.0	300	2.07	3	76	0.13	0.19
1/2	12.7	0.76	19.3	300	2.07	5	127	0.14	0.21
5/8	15.9	0.93	23.6	300	2.07	6	152	0.19	0.28
3/4	19.1	1.06	26.9	300	2.07	7	178	0.26	0.37
1	25.4	1.34	34.0	300	2.07	8	203	0.34	0.51



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