

## SR6

## SAE 100R6/EN 854 R6 | Low Pressure



› Meets or exceeds the performance requirements of: SAE 100R6/EN 854 R6.

**Application**

Low-pressure, textile reinforced applications including petroleum and water-based fluids for use as power steering return, lube lines and air lines. Not for brake applications.

**Inner Tube**

Nitrile

**Reinforcement**

One textile braid

**Cover**

Black polychloroprene

**Temperature Range**

-40°F to 212°F (-40°C to 100°C)

**Fitting Reference**

All fittings compatible with the SR6 hose family are listed in Section 5 (starting on page 187) of the catalog.

**Branding**

Example: Continental ContiTech SR6-03 SAE 100R6 R6 3/16" (DN05) W.P. 500 psi (3.4 MPa)

Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight lbs./ft.
		in.	DIN Dash Size	in.	mm	psi	MPa	in.	mm	psi	MPa	
SR6-03	20240277	3/16	05	0.44	11.1	500	3.4	2.0	51	2000	13.8	0.07
SR6-04	20240278	1/4	06	0.50	12.7	400	2.8	2.5	64	1600	11.0	0.09
SR6-05	20240279	5/16	08	0.56	9.1	400	2.8	3.0	76	1600	11.0	0.09
SR6-06	20240280	3/8	10	0.63	15.9	400	2.8	3.0	76	1600	11.0	0.11
SR6-08	20240281	1/2	12	0.78	19.8	400	2.8	4.0	102	1600	11.0	0.16
SR6-10	20240282	5/8	16	0.91	23.0	350	2.4	5.0	127	1400	9.7	0.18
SR6-12	20254775	3/4	19	1.05	26.6	300	2.1	6.0	152	1200	8.3	0.25

## HR6

## SAE 100R6/EN 854 R6 | Low Pressure



› Meets or exceeds the performance requirements of: SAE 100R6/EN 854 R6.

› High Temperature

**Application**

Low-pressure, textile reinforced applications including petroleum and water-based fluids for use in power steering return, lube lines and air lines. Not for brake applications.

**Inner Tube**

Nitrile

**Reinforcement**

One textile braid

**Cover**

Black CSM (Chlorosulphonated Polyethylene)\*

**Temperature Range**

-40°F to 275°F (-40°C to 135°C)

**Fitting Reference**

All fittings compatible with the HR6 hose family are listed in Section 5 (starting on page 187) of the catalog.

**Branding**

Example: Continental ContiTech HR6-04 SAE 100R6/EN 854 R6 (High Temp) 1/4" (DN06) W.P. 400 psi (2.8 MPa)

Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight lbs./ft.
		in.	DIN Dash Size	in.	mm	psi	MPa	in.	mm	psi	MPa	
HR6-04	20687451	1/4	06	0.51	12.9	400	2.8	2.5	64	1600	11.0	0.09
HR6-05	20239412	5/16	08	0.57	14.5	400	2.8	3.0	76	1600	11.0	0.09
HR6-06	20687409	3/8	10	0.64	16.2	400	2.8	3.0	76	1600	11.0	0.11
HR6-08	20743641	1/2	12	0.77	19.6	400	2.8	4.0	102	1600	11.0	0.16
HR6-10	20616767	5/8	16	0.91	23.2	350	2.4	5.0	127	1400	9.7	0.18
HR6-12	20645813	3/4	19	1.06	26.9	300	2.1	6.0	152	1200	8.3	0.25

# HR4

## SAE 100R4 | Low Pressure



1/2 Bend

› Meets or exceeds the performance requirements of: SAE 100R4

› High Temperature  
› Meets Flame Resistance USMSHA Designation

› SAE J1942/ U.S. Coast Guard 

### Application

Low-pressure, high temperature return line or suction line for petroleum- and water-based hydraulic fluids. Vacuum rating 25 in Hg. HR4 has half the bend radius of typical SAE 100R4.

### Inner Tube

Nitrile

### Reinforcement

Spiral-ply synthetic fabric with wire helix

### Cover

Black polychloroprene

### Temperature Range

-40°F to 275°F (-40°C to 135°C)

### Fitting Reference

All fittings compatible with the HR4 hose family are listed in Section 5 (starting on page 187) of the catalog. Note: No Continental ContiTech fitting recommendation on HR4-48 and HR4-64 hose sizes.

### Branding

Example: Continental ContiTech HR4-16 SAE 100R4 1" (25mm) WP 325 psi (2.24 MPa) MSHA IC- 233/0  
Made in Canada

Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight lbs./ft.	USCG Approved
		in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa		
HR4-12	20325410	3/4	19.0	1.162	29.5	350	2.41	2.5	64	1400	9.65	0.41	H
HR4-16	20325411	1	25.4	1.460	37.1	325	2.2	3.0	76	1300	9.0	0.59	H
HR4-20	20325412	1¼	31.8	1.712	43.5	250	1.72	4.0	102	1000	6.89	0.72	H
HR4-24	20325413	1½	38.1	1.963	49.9	225	1.55	5.0	127	900	6.21	0.85	H
HR4-32	20325414	2	50.8	2.464	62.6	225	1.6	6.0	152	900	6.21	1.12	H
HR4-40	20325415	2½	63.5	2.971	75.5	140	0.97	7.0	188	560	3.86	1.45	H
HR4-48	20325416	3	76.2	3.533	89.8	135	0.93	9.0	229	540	3.72	1.90	
HR4-64	20325418	4	101.6	4.542	115.4	100	0.69	12	305	400	2.76	2.68	

# SR3

## SAE 100R3/EN 854 R3 | Low Pressure



› Meets or exceeds the performance requirements of: SAE 100R3/EN 854 R3

› Meets Flame Resistance USMSHA Designation

### Application

Low-pressure, textile reinforced hose for petroleum- or water-based hydraulic fluids or pneumatic applications. Not to be used for air brake.

### Inner Tube

CR (Polychloroprene)

### Reinforcement

Two textile braids

### Cover

Black polychloroprene

### Temperature Range

-40°F to 212°F (-40°C to 100°C)

### Fitting Reference

All fittings compatible with the SR3 hose family are listed in Section 5 (starting on page 187) of the catalog.

### Branding

Example: Continental ContiTech SR3-04 SAE 100R3 R3 1/4" (DN06) W.P. 1250 psi (8.6 MPa) MSHA 2G-IC-14C/30

Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight lbs./ft.
		in.	DIN Dash Size	in.	mm	psi	MPa	in.	mm	psi	MPa	
SR3-04	20240260	1/4	06	0.56	14.3	1250	8.6	3.0	76	5000	34.5	0.12
SR3-05	20239389	5/16	08	0.68	17.5	1200	8.3	4.0	102	4800	33.1	0.16
SR3-06	20240261	3/8	10	0.75	19.0	1125	7.8	4.0	102	4500	31.0	0.17
SR3-08	20240262	1/2	12	0.94	23.8	1000	6.9	5.0	127	4000	27.6	0.25
SR3-10	20553192	5/8	10	1.06	27.1	884	6.1	5.5	140	3538	24.4	0.31
SR3-12	20240275	3/4	19	1.25	31.8	750	5.2	6.0	152	3000	20.7	0.43
SR3-16	20240276	1	25	1.50	38.1	565	3.9	8.0	203	2260	15.6	0.51

# IG

## INSTA-GRIP™ 300 | Low Pressure Push-On



- › Meets Flame Resistance USMSHA Designation
- › Non-Conductive

### Application

For use with push-on fittings at maximum working pressures of 300 psi. For low-pressure hydraulic and pneumatic systems such as shop air systems, general industrial, maintenance and automotive applications. Non-conductive, minimum electrical resistance, greater than (1) megohm per inch of hose length at 1000 Volts DC. Note: Insta-Grip™ 300 black cover hose meets USMSHA 2G-1C-14C/33. All other colors meet USMSHA 2G-1C-14C/32.

### Inner Tube

Chemivic® (NBR/PVC) oil and heat resistant synthetic rubber (ARPM Class A high oil resistance)

### Reinforcement

One textile braid

### Cover

Black, Blue, Red, Green, Grey (others, contact marketing): weather, abrasion and oil resistant Nitrile synthetic rubber. (RMA Class B medium/high oil resistance)

### Temperature Range

-40°F to 190°F (-40°C to 88°C)

### Fitting Reference

All fittings compatible with the Insta-Grip™ 300 hose family are listed in Section 7 (starting on page 252) of the catalog.

### Branding

Example: Continental ContiTech Insta-Grip™ 1/4" W.P. 300 psi Flame Resistant USMSHA 2G-1C-14C/33 Made in U.S.A.

Descriptive # (***) Insert Color	Product # (***) Insert Color	SAP # (BLK) exc.16 (RED)	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight	
			in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	lbs./ft.	kg/m
(See Legend)	(See Legend)													
IG 300 1/4***	IG***-04	20022636	1/4	6.4	0.54	13.7	300	2.1	2.5	64	1200	8.3	0.09	0.13
IG 300 5/16***	IG***-05	20022641	5/16	7.9	0.62	15.7	300	2.1	3.0	76	1200	8.3	0.12	0.18
IG 300 3/8***	IG***-06	20022644	3/8	9.5	0.69	17.5	300	2.1	3.0	76	1200	8.3	0.14	0.21
IG 300 1/2***	IG***-08	20022648	1/2	12.7	0.81	20.6	300	2.1	5.0	127	1200	8.3	0.16	0.24
IG 300 5/8***	IG***-10	20022651	5/8	15.9	0.93	23.6	300	2.1	6.0	152	1200	8.3	0.20	0.30
IG 300 3/4***	IG***-12	20022653	3/4	19.0	1.07	27.2	300	2.1	7.0	178	1200	8.3	0.25	0.37
IG 300 1***	IG***-16	20136613	1	25.4	1.34	34.0	300	2.1	8.0	203	1200	8.3	0.34	0.51

Colors: Black = BLK, Blue = BLU, Red = RED, Green = GRN, Grey = GRY

# IGHT

## INSTA-GRIP™ HT 300 | Low Pressure Push-On



- › High Temperature

### Application

For lubricating and fuel oils, air and water. Not recommended for applications involving impulse movements or air brake applications. For use with push-on fittings at working pressures up to 300 psi.

### Inner Tube

Black CPE Rubber, Meets ARPM Class B Oil Resistance

### Reinforcement

One synthetic textile braid

### Cover

Black CPE rubber, Meets ARPM Class B oil resistance

### Temperature Range

Petroleum-based hydraulic fluids -40°F to 300°F (-40°C to 150°C)  
Water and Air -40°F to 190°F (-40°C to 88°C)

### Fitting Reference

All fittings compatible with the Insta-Grip™ HT 300 hose family are listed in Section 7 (starting on page 252) of the catalog.

### Branding

Example: Continental ContiTech Insta-Grip™ HT 1/4" 300 psi W.P. Made in U.S.A.

Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight
		in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	
IGHT-04	20544196	1/4	6.4	0.51	12.8	300	2.1	2.5	64	1200	8.3	0.09
IGHT-06	20544197	3/8	9.5	0.67	17.0	300	2.1	3.0	76	1200	8.3	0.14
IGHT-08	20544198	1/2	12.7	0.76	19.3	300	2.1	5.0	127	1200	8.3	0.16
IGHT-10	20544199	5/8	15.9	0.93	23.6	300	2.1	6.0	152	1200	8.3	0.20
IGHT-12	20571923	3/4	19.0	1.04	26.5	300	2.1	7.0	178	1200	8.3	0.25

# IGTC

## INSTA-GRIP™ TC | Low Pressure Push-On



### Application

For low-pressure hydraulic and pneumatic systems such as shop air systems, general industrial, maintenance and automotive applications.

### Inner Tube

Chemivic® (NBR/PVC) oil and heat resistant synthetic rubber (ARPM Class A High Oil Resistance)

### Reinforcement

One textile braid

### Cover

Black dyed textile braid, mildew and oil resistance

### Temperature Range

-40°F to 200°F (-40°C to 93°C)

### Fitting Reference

All fittings compatible with the Insta-Grip™ TC hose family are listed in Section 7 (starting on page 252) of the catalog.

### Branding

Example: Continental ContiTech Insta-Grip™ TC 1/4" W.P. 300 psi Made in U.S.A.

Descriptive #/ Product #	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight	
		in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	lbs./ft.	kg/m
IGTC-04	20022593	1/4	6.4	0.50	12.7	300	2.1	2.5	64	1200	8.3	0.08	0.12
IGTC-05	20022595	5/16	7.9	0.56	14.2	300	2.1	3.0	76	1200	8.3	0.09	0.13
IGTC-06	20022597	3/8	9.5	0.64	16.3	300	2.1	3.0	76	1200	8.3	0.11	0.16
IGTC-08	20022600	1/2	12.7	0.75	19.1	300	2.1	5.0	127	1200	8.3	0.13	0.19
IGTC-10	20022602	5/8	15.9	0.91	23.1	300	2.1	6.0	152	1200	8.3	0.19	0.28
IGTC-12	20022604	3/4	19.0	1.03	26.2	300	2.1	7.0	178	1200	8.3	0.21	0.31

# FXG

## FLEXA-Grip™ | Low Pressure Push-On



### Application

For use with push-on fittings at maximum working pressures of 400 psi. For low-pressure hydraulic and pneumatic systems such as robotics, shop air systems, general industrial, maintenance and automotive applications. Non-conductive, minimum electrical resistance, greater than (1) megohm per inch of hose length at 1000 Volts DC.

### Inner Tube

Chemivic®(NBR/PVC) oil and heat resistant synthetic rubber (ARPM Class A High Oil Resistance)

### Reinforcement

One textile braid

### Cover

Black, Blue, Red, Green, Grey, White, Brown and Yellow (others, contact marketing): weather-abrasion and oil resistant Carbryn™ rubber. (ARPM Class A high oil resistance)

### Temperature Range

-40°F to 200°F (-40°C to 93°C)

### Fitting Reference

All fittings compatible with the FLEXA-Grip™ hose family are listed in Section 7 (starting on page 252) of the catalog.

### Branding

Example: Continental ContiTech FLEXA-Grip™ Non-Conductive 3/8" (9.5 mm) W.P. 400 psi (28 bar); Flame Resistant USMSHA 2G-IC-14C / 27 Made in U.S.A.

Descriptive # (***) Insert Color	Product # (***) Insert Color	SAP #	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight	
			in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	lbs./ft.	kg/m
(See Legend)	(See Legend)	(BLK)	in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	lbs./ft.	kg/m
FLEXA-Grip 3/16***	FXG***-03	20022699	3/16	4.8	0.36	9.10	400	2.8	2.5	64	1600	11.0	0.04	0.06
FLEXA-Grip 1/4***	FXG***-04	20022700	1/4	6.4	0.51	13.0	400	2.8	2.5	64	1600	11.0	0.08	0.12
FLEXA-Grip 3/8***	FXG***-06	20022703	3/8	9.5	0.67	17.0	400	2.8	3.0	76	1600	11.0	0.13	0.19
FLEXA-Grip 1/2***	FXG***-08	20022706	1/2	12.7	0.76	19.3	400	2.8	5.0	127	1600	11.0	0.14	0.21
FLEXA-Grip 5/8***	FXG***-10	20022711	5/8	15.9	0.93	23.6	400	2.8	6.0	152	1600	11.0	0.19	0.28
FLEXA-Grip 3/4***	FXG***-12	20022714	3/4	19.0	1.06	26.9	400	2.8	7.0	178	1600	11.0	0.24	0.36
FLEXA-Grip 1***	FXG***-16	20141684	1	25.4	1.34	34.0	400	2.8	8.0	203	1600	11.0	0.34	0.51

Colors: Black = BLK, Blue = BLU, Red = RED, Green = GRN, Grey = GRY, White = WHT, Brown = BRN, Yellow = YEL