

Low Pressure Transportation and Hydraulic

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Standard



High temperature



Railway



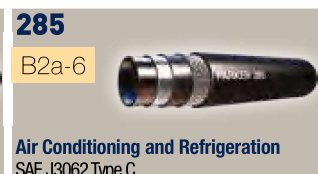
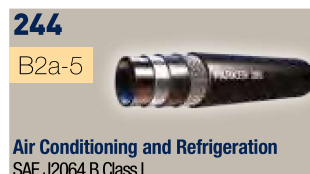
Transportation



Fire retardant



Refrigeration



201

No-Skive Airbrake

SAE 100R5 – SAE J1402AII

Primary Applications

Transportation: Air brake hose

General: Low pressure applications

Type Approvals

Details please find on pages **Ab-16** to **Ab-19**

Applicable Specifications

SAE 100R5, SAE J1402AII, D. O. T. FMVSS 106-AII

Construction

Inner tube: Synthetic rubber

Reinforcement: One fibre braid

One high-tensile steel wire braid

Cover: Rubber layer and textile braided cover

Temperature Range -40 °C up to +150 °C

Exception: Air max. +70 °C

Water max. +85 °C



- Textile braided cover
- **No-Skive** hose construction
- 150 °C working temperature

Recommended Fluids

Petroleum based hydraulic fluids, water-glycol and water-oil emulsion hydraulic fluids, grease, lubricants, crude and fuel oils, air and water.

Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Fitting Series



Part Number	Hose I.D.			Hose O.D.	Pressure Rating				Vacuum*	min. bend radius	weight
	Inch	Size	mm	mm	max. working pressure	min. burst pressure					
					MPa	psi	MPa	psi	kPa	mm	kg
201-4	3/16	-4	5.0	12.2	20.7	3000	83.0	12000	95	75	0.22
201-5	1/4	-5	6.3	14.8	20.7	3000	83.0	12000	95	85	0.27
201-6	5/16	-6	8.0	17.2	15.5	2250	62.0	9000	95	100	0.34
201-8	13/32	-8	10.0	19.5	13.8	2000	55.0	8000	95	120	0.40
201-10	1/2	-10	12.5	23.4	12.0	1750	48.0	7000	95	140	0.55
201-12	5/8	-12	16.0	27.4	10.3	1500	41.0	6000	95	165	0.68
201-16	7/8	-16	22.0	31.4	5.5	800	22.0	3200	67	185	0.68
201-20	1 1/8	-20	29.0	38.1	4.3	625	17.0	2500	67	230	0.76
201-24	1 3/8	-24	35.0	44.5	3.5	500	14.0	2000	51	265	1.01
201-32	1 13/16	-32	46.0	56.4	2.4	350	10.0	1400	37	335	1.32

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101kPa.

The combination of high temperature and high pressure could reduce the hose life.

The maximum working pressures shown in the table are for service up to a maximum temperature of 100 °C.

For use at higher temperatures, consult the pressure/temperature curve in section A for the reduced maximum working pressure.

Hose layline example

Parker 201-6 AIR BRAKE DOT XXXXX AII 8 mm (5/16) SAE J1402 DOT XXXXX AII WP 15,7 MPa (2250 PSI) DOT XXXXX AII SA

206

No-Skive Airbrake

SAE 100R5 – SAE J1402All

Primary Applications

Transportation: Air brake hose

General: Low pressure applications

Type Approvals

Details please find on pages **Ab-16** to **Ab-19**

Applicable Specifications

SAE 100R5, SAE J1402All, D. O. T. FMVSS 106-All

Construction

Inner tube: PKR synthetic rubber

Reinforcement: One fibre braid
One high-tensile steel wire braid

Cover: Rubber layer and
blue textile braided cover



- Blue textile braided cover
- **No-Skive** hose construction
- For very low (-48 °C) working temperature

Recommended Fluids

Petroleum based hydraulic fluids, water-glycol and water-oil emulsion hydraulic fluids, grease, lubricants, crude and fuel oils, air and water.

Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Temperature Range -48 °C up to +150 °C

Exception: Air max. +100 °C

Water max. +85 °C

Fitting Series



Part Number	Hose I.D.			Hose O.D. mm	Pressure Rating				Vacuum*	min. bend radius mm	weight kg
	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi			
206-4	3/16	-4	5.0	13.2	20.7	3000	83.0	12000	95	75	0.22
206-5	1/4	-5	6.3	14.8	20.7	3000	83.0	12000	95	85	0.27
206-6	5/16	-6	8.0	17.1	15.5	2250	62.0	9000	95	90	0.34
206-8	13/32	-8	10.0	19.5	13.8	2000	55.0	8000	95	90	0.40
206-10	1/2	-10	12.5	23.4	12.0	1750	48.0	7000	95	100	0.55
206-12	5/8	-12	16.0	27.4	10.3	1500	41.0	6000	95	100	0.68
206-16	7/8	-16	22.0	31.4	5.5	800	22.0	3200	67	100	0.68
206-20	1 1/8	-20	29.0	38.1	4.3	625	17.0	2500	67	140	0.76
206-24	1 3/8	-24	35.0	44.5	3.5	500	14.0	2000	51	190	1.01
206-32	1 13/16	-32	46.0	56.4	2.4	350	10.0	1400	37	335	1.32

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101kPa.

The combination of high temperature and high pressure could reduce the hose life.

The maximum working pressures shown in the table are for service up to a maximum temperature of 100 °C.

For use at higher temperatures, consult the pressure/temperature curve in section A for the reduced maximum working pressure.

Hose layline example

	206-16	WP 5,6 MPa (800 PSI)	SAE 100R5-16	22 mm (7/8)	4Q81	MADE IN XXXX		206-16	V
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213

No-Skive High Temperature

For engines and compressed air systems

Primary Applications

Transportation: Air brake hose

Compressors: Compressed air hose

Type Approvals

Details please find on pages **Ab-16** to **Ab-19**

Applicable Specifications

SAE J1402AI, D.O.T. FMVSS 106-AI

Construction

Inner tube: PKR synthetic rubber

Reinforcement: One fibre braid

One high-tensile steel wire braid

Cover: Rubber layer and

black textile braided cover

include 2 green strips

- **No-Skive** hose construction
- Ideal for high-temperature and small bend radii applications
- Compatible with a large range of fluids

Recommended Fluids

Petroleum based hydraulic fluids, water-glycol and water-oil emulsion hydraulic fluids, grease, lubricants, crude and fuel oils, air and water.

Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Temperature Range -45 °C up to +150 °C

Exception: Air max. +100 °C

Water max. +85 °C

Fitting Series



Part Number	Hose I.D.			Hose O.D.	Pressure rating				min. bend radius	weight
	Inch	Size	mm	mm	max. working pressure		min. burst pressure			
					MPa	psi	MPa	psi	mm	kg
213-4	3/16	-4	5.0	12.5	13.8	2000	55.0	8000	20	0.18
213-5	1/4	-5	6.3	14.1	10.3	1500	41.0	6000	25	0.21
213-6	5/16	-6	8.0	15.7	10.3	1500	41.0	6000	30	0.25
213-8	13/32	-8	10.0	18.7	8.6	1250	34.0	5000	45	0.30
213-10	1/2	-10	12.5	21.1	6.9	1000	28.0	4000	55	0.33
213-12	5/8	-12	16.0	24.3	5.2	750	21.0	3000	70	0.36
213-16	7/8	-16	22.0	30.6	2.8	400	11.0	1600	90	0.45
213-20	1 1/8	-20	29.0	37.8	2.1	300	8.0	1200	115	0.65
213-24	1 3/8	-24	35.0	44.0	1.7	300	8.0	1200	190	0.73
213-32	1 13/16	-32	46.0	54.5	1.4	200	5.5	800	355	1.00

The combination of high temperature and high pressure could reduce the hose life.

The maximum working pressures shown in the table are for service up to a maximum temperature of 100 °C.

For use at higher temperatures, consult the pressure/temperature curve in section A for the reduced maximum working pressure.

Hose layline example

PARKER 213-16 WP 2,8 MPa [400 PSI] 22 mm [7/8] 3Q88 ————— PARKER 213-16 WP 2,8

221FR

No-Skive Fire Retardant

Marine fuel and engine hose

Primary Applications

Marine: Marine fuel hose
General: Where fire retardance is an issue

Type Approvals

Details please find on pages **Ab-16** to **Ab-19**

Applicable Specifications

SAE J1527 R3, USCG Type AI, SAE J1942, ISO 7840

Construction

Inner tube: Fuel and oil-resistant rubber
Reinforcement: One high-tensile steel wire braid
Cover: Flame retardant special fibre outer cover

Temperature Range -20 °C up to +100 °C

Exception: Air max. +70 °C
Water max. +85 °C



- Fire retardant hose cover
- **No-Skive** hose construction
- Marine approvals

Recommended Fluids

Petroleum based hydraulic fluids, water-glycol and water-oil emulsion hydraulic fluids, grease, lubricants, crude, fuel oils and water.

Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Fitting Series



Part Number	Hose I.D.			Hose O.D. mm	Pressure Rating				Vacuum*	min. bend radius mm	weight kg
	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi			
221FR-5	1/4	-5	6.3	15	3.5	500	14.0	2000	81	25	0.28
221FR-6	5/16	-6	8.0	17	3.5	500	14.0	2000	81	30	0.34
221FR-8	13/32	-8	10.0	20	3.5	500	14.0	2000	81	45	0.42
221FR-10	1/2	-10	12.5	23	3.5	500	14.0	2000	68	55	0.58
221FR-12	5/8	-12	16.0	27	3.5	500	14.0	2000	68	70	0.61
221FR-16	7/8	-16	22.0	31	3.5	500	14.0	2000	68	90	0.70

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101kPa.
The combination of high temperature and high pressure could reduce the hose life.

Hose layline example

PARKER 221FR-10 SAE J1527 USCG TYPE A1 CE 1085 ISO 7840-A1 WITH 26 SERIES CRIMP FITTINGS ONLY

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Air Conditioning and Refrigeration

SAE J2064 B Class I

Primary Applications

For bus- and train applications

Applicable Specifications

SAE J2064 B Class I

Construction

Inner tube: Butyl Gummi

Reinforcement: One high-tensile steel wire braid

Cover: Fibre braid

Temperature Range -30 °C up to +125 °C



- Excellent effusion rate
- Long service life
- Resists moisture ingress

Recommended Fluids

For use with Freon refrigerants 12, 134a and 22.

Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Hose

Fitting Series



Part Number	Hose I.D.			Hose O.D.	Pressure Rating				Vacuum*	min. bend radius	weight
	Inch	Size	mm	mm	max. working pressure		min. burst pressure				
					MPa	psi	MPa	psi	kPa	mm	kg
244-16	7/8	16	22	31	3.5	500	14	2000	95	190	0.76
244-20	1-1/8	20	29	38	3.5	500	14	2000	95	230	0.83
244-24	1-3/8	24	35	44	2.4	350	9.6	1400	95	270	0.92

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101kPa. The combination of high temperature and high pressure could reduce the hose life.

Hose layline example

PARKER 244-20 WP 2,4 MPa [350 PSI] ————— PARKER 244-20 WP 2,4 MPa [350 PSI] —————

285

Air Conditioning and Refrigeration

SAE J3062 Type C



- *No-Skive* hose construction
- Usable for main refrigerant fluids
- Compatible with modern refrigerants

Primary Applications

Air Conditioning: For industrial and mobile applications

Applicable Specifications

SAE J3062 Type C

Construction

Inner tube: Synthetic rubber
with nylon barrier.
Reinforcement: One fiber braid.
Cover: Synthetic rubber.

Recommended Fluids

Refrigerants R134a / PAG Oil & R1234yf / PAG Oil.
Consult the chemical compatibility section on
pages **Ab-26** to **Ab-34** for more detailed information.

Temperature Range -40 °C to +125 °C

Fitting Series



Part Number	Hose I.D.			Hose O.D.	Pressure Rating				Vacuum*	min. bend radius	weight
					max. working pressure	min. burst pressure					
	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
285-4-RL	3/16	-4	5.0	12.4	3.4	500	17.2	2500	95	25	0.14
285-6-RL	5/16	-6	8.0	15.7	3.4	500	17.2	2500	95	38	0.19
285-8-RL	13/32	-8	10.0	18.8	3.4	500	17.2	2500	95	51	0.25
285-10-RL	1/2	-10	12.5	21.1	3.4	500	17.2	2500	95	64	0.27
285-12-RL	5/8	-12	16.0	24.4	3.4	500	17.2	2500	95	76	0.34

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101kPa.
For size -16 a hose 285-16 is available on request.
RL = only available on reels.

Hose layline example

PARKER 285-10 WP 3,4 MPa (500 PSI) SAE J3062 TYPE C 12,5 mm (1/2) 10-4Q09

293

No-Skive High Temperature

Engine and air brake/truck hose

Primary Applications

Truck Market: Air brake hose
Engine cooling circuit

Type Approvals

Details please find on pages **Ab-16** to **Ab-19**

Applicable Specifications

SAE J1402AI, D.O.T. FMVSS 106

Construction

Inner tube: PKR synthetic rubber
Reinforcement: One fibre braid
Cover: Black nylon braid

Temperature Range -50 °C up to +150 °C

Exception: Air max. +100 °C

Water max. +85 °C



- High temperature
– high flex hose performance
- **No-Skive** hose construction
- Wide temperature range

Recommended Fluids

Petroleum-based hydraulic fluids and lubrication oils, diesel fuels and antifreeze solutions; water-, water-oil- and water-glycol emulsion hydraulic fluids.

Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Fitting Series



Part Number	Hose I.D.			Hose O.D.	Pressure rating				min. bend radius	weight
	Inch	Size	mm	mm	max. working pressure		min. burst pressure			
					MPa	psi	MPa	psi	mm	kg
293-4-RL	3/16	-4	5.0	12.5	3.5	500	13.8	2000	15	0.15
293-6-RL	5/16	-6	8.0	15.7	3.5	500	13.8	2000	25	0.22
293-8-RL	13/32	-8	10.0	18.7	3.5	500	13.8	2000	40	0.27
293-10-RL	1/2	-10	12.5	21.1	3.1	450	12.4	1800	50	0.30
293-12-RL	5/8	-12	16.0	24.3	3.1	450	12.4	1800	65	0.33
293-16-RL	7/8	-16	22.0	30.6	3.1	450	12.4	1800	80	0.37

The combination of high temperature and high pressure could reduce the hose life.
RL = only available on reels.

Hose layline example

PARKER 293-6 AIR BRAKE 8 mm (5/16) SAE J1402 W.P. 3,5 MPa (500 PSI) PARKER 293-6