Oil & Fuel

Parker

ENGINEERING YOUR SUCCESS.

A – Oil & Fuel

Hose	ID Range (mm)	Temp. Range (°C)	Application
CARBOPRESS N/L 10	5 - 25	-25 / +80	fuel, oil, petrol aromatic < 50 %
CARBOPRESS N/L 20	6 - 25	-25 / +80	fuel, oil, petrol aromatic < 50 %
CARBURITE 10	19 - 150	-30 / +80	fuel, oil, petrol aromatic < 50 %
CARBOCORD EN 12115	19 - 100	-25 / +80	fuel, oil, petrol aromatic < 50 %
CHEMIOEL EN 12115	19 - 100	-25 / +80	fuel, oil, petrol aromatic < 50 %
CERVINO EN 12115	50 - 100	-40 / +80	fuel, oil, petrol aromatic < 50 %
E-Z FORM™ HT	12.7 - 25.4	-40 / +150	petro.-based oil suc./ret. line, power ste

	Tube	Reinforce-ment	Cover	WP (bar)	Design Factor	Suction	Industry standard	Page
	NBR	textile	NBR/EPDM	10	3			A4
	NBR	textile	NBR/EPDM	20	3			A4
	NBR	textile	NBR/SBR	10	3	yes		A5
	NBR	textile + copper wires	NBR/SBR	16	4		EN 12115	A6
	NBR	textile + copper wires	NBR/SBR	16	4	yes	EN 12115	A7
	NBR	textile + copper wires	NBR/SBR	16	4	yes	EN 12115	A8
ering	CPE	textile	HNBR	10	4	yes		A9

CARBOPRESS N/L 10 - 20

Suitable for fuel oils, petrol and diesel having an aromatic content not exceeded 50 % and also for grease.

- Dual pressure lines
- Also suitable for water and air in general service applications
- Design Factor 3:1
- B100 compatible

Hose Construction

Tube: Black, smooth, NBR rubber compound

Reinforcement: Synthetic textile yarns

Cover: Black, smooth, abrasion, oil, fuel, and weather-resistant, antistatic (R < 1 MΩ/m) special NBR/EPDM rubber compound

Temperature Range

-25 °C (-13 °F) to +80 °C (+176 °F)
up to +100 °C (+212 °F) for oil

Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH35

Fitting Series

64 + 47

Bold printed part numbers are stock products.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	psi	bar	Weight kg/m	min. Bend Radius mm	in Stock
CARBOPRESS N/L 10								
IH30501001/100	5	12	1.0	150.0	10	0.12	40	Y
IH30511003/100	6	12	1.0	150.0	10	0.11	50	Y
IH30511002/100	6	13	1.0	150.0	10	0.14	50	Y
IH30501002/100	8	15	1.0	150.0	10	0.17	65	Y
IH30501003/100	10	17	1.0	150.0	10	0.20	80	Y
IH30501004/100	13	20	1.0	150.0	10	0.24	105	Y
IH30511004/100	16	23	1.0	150.0	10	0.29	130	Y
IH30501006/40	19	27	1.0	150.0	10	0.39	150	Y
IH30501007/50	25	35	1.0	150.0	10	0.63	200	Y
CARBOPRESS N/L 20								
IH30502001/100	6	14	2.0	300.0	20	0.17	50	Y
IH30502002/100	8	17	2.0	300.0	20	0.24	65	Y
IH30502003/100	10	19	2.0	300.0	20	0.27	80	Y
IH30512006/100	13	23	2.0	300.0	20	0.38	105	N
IH30512010/40	16	26	2.0	300.0	20	0.44	130	Y
IH30512007/40	19	30	2.0	300.0	20	0.57	150	N
IH30512009/40	25	36	2.0	300.0	20	0.71	200	N

Hose layline example

RUBBER HOSE CARBOPRESS W.P. bar

CARBURITE 10

Designed for suction and delivery of mineral oils and fuels (with aromatic content not exceeding 50 %) in road and rail tankers, service stations and refineries.

- Also suitable for water and air in general service applications
- Crimped solution with 48 series and Large Bore series
- Vacuum 0.8 bar (600 mm Hg)
- Design Factor 3:1

Hose Construction

Tube: Black, smooth, NBR rubber compound, resistant to oil and fuel with an aromatic content not exceeding 50 %

Reinforcement: Synthetic textile fabrics and embedded steel wire helix

Cover: Black, smooth, antistatic (R < 1 MΩ/m) NBR/SBR rubber compound, oil, fuel, abrasion, ageing and weather resistant

Temperature Range

-30 °C (-22 °F) to +80 °C (+176 °F)
up to +100 °C (+212 °F) for oil

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH35

Fitting Series

48 (up to I.D. 50 mm)
IF (from I.D. 60 mm)

Bold printed part numbers are stock products.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	psi	bar	Weight kg/m	min. Bend Radius mm	in Stock
IH36530099/40	19	29	1.0	150.0	10	0.61	120	Y
IH36531004/40	25	35	1.0	150.0	10	0.80	150	Y
IH36530201/40	30	40	1.0	150.0	10	0.92	180	Y
IH36531012/40	32	42	1.0	150.0	10	0.98	190	Y
IH36530202/40	35	45	1.0	150.0	10	1.05	210	Y
IH36531002/40	38	48	1.0	150.0	10	1.13	240	Y
IH36530203/40	40	50	1.0	150.0	10	1.18	240	Y
IH36530212/40	42	52	1.0	150.0	10	1.22	252	Y
IH36530204/40	45	55	1.0	150.0	10	1.31	270	Y
IH36530205/40	50	60	1.0	150.0	10	1.46	300	Y
IH36530206/40	60	71	1.0	150.0	10	1.89	360	Y
IH36531001/40	63.5	75	1.0	150.0	10	2.09	380	Y
IH36530207/20	70	82	1.0	150.0	10	2.47	420	Y
IH36530208/20	75	87	1.0	150.0	10	2.68	450	Y
IH36530209/20	80	92	1.0	150.0	10	2.84	480	Y
IH36531003/20	90	104	1.0	150.0	10	3.64	540	Y
IH36530211/20	100	114	1.0	150.0	10	4.02	600	Y
IH36531019/20	110	124	1.0	150.0	10	4.29	660	Y
IH36531050/10	150	170	1.0	150.0	10	7.27	900	N

Hose layline example

CARBOCORD EN 12115

According to EN 12115

Suitable for delivery of oil and fuel with an aromatic content not exceeding 50 %.

- Meets TRbF 131 Teil 2 par 5.5 (flame resistance)
- Optimal for tank truck application
- Electrical continuity guaranteed by copper wires if correctly assembled
- Design Factor 4:1

Hose Construction

Tube: Black, smooth, NBR rubber compound, resistant to oil and fuel with an aromatic content not exceeding 50 %.

Reinforcement: Synthetic textile fabrics and built-in copper wires to provide electrical continuity between both ends.

Cover: Black, smooth, NBR/SBR rubber compound, antistatic (R < 1 MΩ/m), oil, fuel, abrasion, ageing and weather resistant.

Tolerances

According to EN 12115

Refer to Technical Handbook on page TH35

Temperature Range

-25 °C (-13 °F) to +80 °C (+176 °F)
up to +100 °C (+212 °F) for oil

Bold printed part numbers are stock products.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	psi	bar	Weight kg/m	min. Bend Radius mm	in Stock
IH36522309/40	19	31	1.6	232.0	16	0.60	125	N
IH36522310/40	25	37	1.6	232.0	16	0.89	150	Y
IH36522311/40	32	44	1.6	232.0	16	1.00	175	Y
IH36522312/40	38	51	1.6	232.0	16	1.30	225	Y
IH36522313/40	50	66	1.6	232.0	16	2.00	275	Y
IH36522314/40	63.5	79	1.6	232.0	16	2.40	300	Y
IH36522315/40	75	91	1.6	232.0	16	2.80	350	N
IH36522316/40	100	116	1.2	180.0	12	3.80	450	N

Hose layline example

CARBOCORD EN 12115 NBR 1D I.D. – PN .. – BP .. bar Ω – TRbF 131 T2 p.5.5 – Quarter/Year

CHEMIOEL EN 12115

According to EN 12115

Designed for suction and delivery of mineral oils and fuels with an aromatic content not exceeding 50 %.

- Meets TRbF 131 Teil 2 par 5.5 (flame resistance)
- Optimal for tank truck application
- Crimped solution with 48 series and Large Bore series
- Vacuum 0.9 bar for ID up to 63.5 mm then 0.8 bar
- Design Factor 4:1

Hose Construction

Tube: Black, smooth, NBR rubber compound, resistant to oil and fuel with an aromatic content not exceeding 50 %

Reinforcement: Synthetic textile fabrics, embedded steel wire helix and built-in copper wire to facilitate the electrical connection between the hose and the end couplings

Cover: Black, smooth, NBR/SBR rubber compound, antistatic (R < 1 MΩ/m), oil, fuel, abrasion, ageing and weather resistant

Temperature Range

-25 °C (-13 °F) to +80 °C (+176 °F)
up to +100 °C (+212 °F) for oil

Tolerances

According to EN 12115
Refer to Technical Handbook on page TH35

Fitting Series

48 (up to I.D. 50 mm)
IF (from I.D. 63.5 mm)

Bold printed part numbers are stock products.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	Max. Working Pressure psi	Max. Working Pressure bar	Weight kg/m	min. Bend Radius mm	in Stock
IH36530229/40	19	31	1.6	232.0	16	0.70	125	Y
IH36530230/40	25	37	1.6	232.0	16	0.90	150	Y
IH36530231/40	32	44	1.6	232.0	16	1.20	175	Y
IH36530232/40	38	51	1.6	232.0	16	1.50	225	Y
IH36530233/40	50	66	1.6	232.0	16	2.30	275	Y
IH36530234/40	63.5	79	1.6	232.0	16	2.80	300	Y
IH36530235/40	75	91	1.6	232.0	16	3.30	350	Y
IH36530236/20	100	116	1.2	180.0	12	4.70	450	Y

Hose layline example

CHEMIOEL EN 12115:2011 - NBR1 - SD - I.D. - WP ...bar - Ω - TRbF 131 T2p. 5.5 - Quarter/Year Parker

CERVINO EN 12115

According to EN 12115

Suction and delivery of mineral oils and fuels, with an aromatic content not exceeding 50 %. The special compounds make the hose specially indicated for outdoor applications, when low temperature conditions are implicated.

- Technology nitrogen tested for safe air applications
- Cold bend tested as per ISO 4672 without cracks
- Good result on cover abrasion test as per ISO 6945
- Crimped solution with 48 series and Large Bore series
- Vacuum 0.8 bar (600 mm Hg)
- Design Factor 4:1

Hose Construction

Tube: Black, smooth, NBR rubber compound, resistant to oil and fuel with an aromatic content not exceeding 50 %

Reinforcement: Synthetic textile fabrics, embedded steel wire helix and built-in copper wire to facilitate the electrical connection between the hose and the end couplings

Cover: Black, smooth, abrasion resistance NBR/SBR rubber compound, antistatic (R < 1 MΩ/m), oil, fuel, low temperature, ageing and weather resistant

Temperature Range

-40 °C (-40 °F) to +80 °C (+176 °F)
up to +100 °C (+212 °F) for oil

Tolerances

According to EN 12115
Refer to Technical Handbook on page TH35

Fitting Series

48 (up to I.D. 50 mm)
IF (from I.D. 63.5 mm)

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	psi	bar	Weight kg/m	min. Bend Radius mm	in Stock
IH36530430/40	50	66	1.6	232.0	16	2.30	200	N
IH36530431/40	63.5	79	1.6	232.0	16	2.80	250	N
IH36530432/40	75	91	1.6	232.0	16	3.30	300	N
IH36530433/40	100	116	1.2	180.0	12	4.70	400	N

Hose layline example

CERVINO EN 12115:2011 - NBR1 - SD - I.D. - WP ...bar - Ω - TRbF 131 T2p. 5.5 - Quarter/Year

E-Z FORM™ HT

Parker Global Product

Extremely flexible, lightweight, high temperature petroleum-based oil suction/return hose designed to resist cracking and deterioration for the extreme heat generated in Tier IV engine. It may also be used in non-SAE power steering applications (as a low pressure return line only). The lightweight Greek corrugated hose construction incorporates a wire helix that provides full suction capability. The unique corrugations are tightly pitched and precision-engineered, providing extreme flexibility compared to the traditional rounded corrugation profile. The cover is resistant to high temperature oil in high temperature environments.

- Saves time and costs thanks to easy and quick assembly
- Superior kink resistance, minimal force to bend, outstanding flexibility
- In buses, cranes, trucks and mobile/heavy duty off-road equipment
- Design Factor 4:1
- Vacuum: 0,9 bar

Hose Construction

Tube: Black CPE
Reinforcement: Multiple textile braids with helix
Cover: Black Hydrogenate NBR, Greek corrugated finish

Temperature Range

-40 °C (-40 °F) to +150 °C (+302 °F)

Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH35

Fitting Series

48

Bold printed part numbers are stock products.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	psi	bar	Weight kg/m	min. Bend Radius mm	in Stock
7399-0500025	12.7	23.8	1.0	150	10	0.43	23	Y
7399-0625025	15.9	27.0	1.0	150	10	0.54	33	Y
7399-0750025	19.1	30.0	1.0	150	10	0.56	36	Y
7399-0875025	22.2	32.8	1.0	150	10	0.61	36	Y
7399-1000025	25.4	36.0	1.0	150	10	0.66	36	Y

coils of 7.62 m (25 feet)

Hose layline example