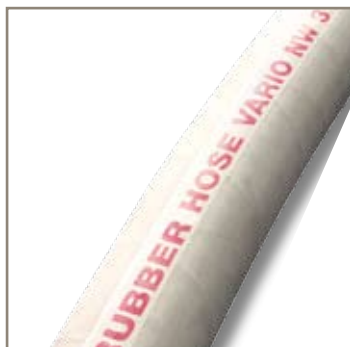
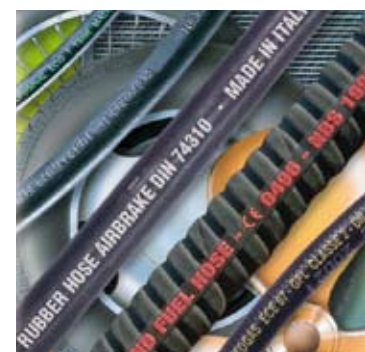




aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Automotive and Boat Hoses



ENGINEERING YOUR SUCCESS.



Automotive

Cooling System



RADIOR 10
RADIOR 3 (coils)
RADIOR 3 (cut length)

Suitable for cooling and heating systems of automotive LPG and CNG installations.

Air Brake System



AIRBRAKE DIN 74310
AIRBRAKE SAE J 1402-A

Widely used in automotive air brake systems.

Automotive Fuel Supply



CARBOPRESS SAE J 200 N/L
CARBOPRESS SAE J 30 R7 N/L

Suitable for fuels, unleaded petrol in car-engines, gear box lubricant.



TBSE
TBE
TG 100

Designed to supply petrol engines with fuels.



AUTOGAS ECE 67/110 CLASS 2

Designed according to ECE67/110 for low pressure delivery (4,5 bar) of LPG and CNG for automotive gas applications.

Air Scoop



FLEXIREX/N

Designed for air scoop and conveying air in LPG/CNG kit.

Boat

Boat Fuel Supply



CARBOPRESS EN ISO 7840 A1
CARBOCORD EN ISO 7840 A1
CARBURITE EN ISO 7840 A1

Designed according to EN ISO 7840, self-extinguishing, suitable for fuel not exceeding 50 % aromatic content, for small craft of up to 24 m length. Complies with the essential requirements given in the European Directive for small craft 94/25/CE.



Boat Exhaust Gas and Refuelling



SM/TR 311
SM/TR 311 OND

Manufactured according to Nordic Boat Standard 1990 MC-8 and MC-9 EN ISO 13363, EN ISO 7840 class A1 and meets European Directive 94/25/CE. For use in water cooling exhaust gas systems and also as self-extinguishing fuel hose for craft. Suitable for oils and fuels having an aromatic content up to 50 %.



Boat Sanitary



VARIO NW 3

Specially designed as effluent hose for leisure boat toilet systems.



C – Automotive and Boat Hose

Automotive

Cooling System

RADIOR 10	▶ C4
RADIOR 3 (coils)	▶ C5
RADIOR 3 (cut length)	▶ C6

Air Brake System

AIRBRAKE DIN 74310	▶ C7
AIRBRAKE SAE J 1402-A	▶ C8

Automotive Fuel Supply

CARBOPRESS SAE J 200 N/L	▶ C9
CARBOPRESS SAE J 30 R7 N/L	▶ C10
TBSE	▶ C11
TBE	▶ C12
TG 100	▶ C13
AUTOGAS ECE 67/110 CLASS 2	▶ C14

Air Scoop

FLEXIREX/N	▶ C15
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Boat

Boat Fuel Supply

CARBOPRESS EN ISO 7840 A1	▶ C16
CARBOCORD EN ISO 7840 A1	▶ C17
CARBURITE EN ISO 7840 A1	▶ C18

Boat Exhaust Gas and Refuelling

SM/TR 311	▶ C19
SM/TR 311 OND	▶ C20

Boat Sanitary

VARIO NW 3	▶ C21
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RADIOR 10

Hose Construction

- Tube:** Black, smooth EPDM nitrosamine free rubber compound
- Reinforcement:** Synthetic textile yarns
- Cover:** Smooth, black, heat, ageing and weather-resistant EPDM nitrosamine free rubber compound



Applications

Flexible rubber hose for delivery of hot water in heating and cooling of automotive LPG and methane systems.

Tolerances

According to UNI EN ISO 1307/97

On inside diameter: $\pm 0,80$ mm

Length tolerance: ± 1 %

Temperature Range

-30 °C (-22 °F) to + 100 °C (+212 °F)
with peaks +120 °C (+248 °F)

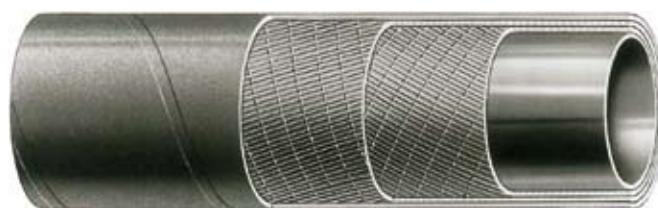
IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure MPa psi bar			 Burst Pressure MPa psi bar			 Weight kg/m	 min. Bend Radius mm
IH30114029/100	7	13	1,0	150,0	10	3,0	450,0	30	0,13	50
IH30114030/50	15	23	1,0	150,0	10	3,0	450,0	30	0,35	90
IH30114030/100	15	23	1,0	150,0	10	3,0	450,0	30	0,35	90



RADIOR® 3 (coils)

Hose Construction

- Tube:** Black, smooth, heat resistant EPDM nitrosamine free rubber compound
- Reinforcement:** Synthetic textile yarn fabric
- Cover:** Black, smooth, heat, ageing and weather-resistant EPDM nitrosamine free rubber compound



Applications

Designed for cooling systems of automotive engines and stationary engines.

Temperature Range

-40 °C (-40 °F) to peaks of +100 °C (+212 °F)

Tolerances

On inside diameter:

≤ I.D. 38 mm: ± 0,79 mm
 > I.D. 38 mm: ± 1,59 mm

On outside diameter:

≤ I.D. 22 mm: ± 0,79 mm
 > I.D. 22 mm: ± 1,59 mm

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure MPa psi bar			 Burst Pressure MPa psi bar			 Weight kg/m	 min. Bend Radius mm
RADIOR 3 (coils)										
IH36830095/40	10	16	0,3	43,5	3	0,9	130,5	9	0,16	—
IH36830096/40	12	18	0,3	43,5	3	0,9	130,5	9	0,19	—
IH36830097/40	15	21	0,3	43,5	3	0,9	130,5	9	0,23	—
IH36830098/40	16	25	0,3	43,5	3	0,9	130,5	9	0,38	—
IH36830101/40	18	24,5	0,3	43,5	3	0,9	130,5	9	0,29	—
IH36830102/40	20	26,5	0,3	43,5	3	0,9	130,5	9	0,32	—
IH36830103/40	22	28,5	0,3	43,5	3	0,9	130,5	9	0,34	—
IH36830104/40	25	32	0,3	43,5	3	0,9	130,5	9	0,39	—
IH36830105/40	28	36	0,3	43,5	3	0,9	130,5	9	0,50	—
IH36830106/40	30	38	0,3	43,5	3	0,9	130,5	9	0,53	—
IH36830107/40	32	40	0,3	43,5	3	0,9	130,5	9	0,55	—
IH36830108/40	35	43	0,3	43,5	3	0,9	130,5	9	0,60	—
IH36830109/40	38	47	0,3	43,5	3	0,9	130,5	9	0,73	—
IH36830110/40	40	49	0,3	43,5	3	0,9	130,5	9	0,77	—
IH36830111/40	42	51	0,3	43,5	3	0,9	130,5	9	0,80	—
IH36830112/40	45	54	0,3	43,5	3	0,9	130,5	9	0,85	—
IH36830123/40	48	57	0,3	43,5	3	0,9	130,5	9	0,91	—
IH36830113/40	50	60	0,3	43,5	3	0,9	130,5	9	1,07	—
IH36830114/40	55	65	0,3	43,5	3	0,9	130,5	9	1,17	—
IH36830115/40	60	70	0,3	43,5	3	0,9	130,5	9	1,26	—
IH36830120/40	63,5	74	0,3	43,5	3	0,9	130,5	9	1,38	—
IH36830116/20	65	76	0,3	43,5	3	0,9	130,5	9	1,54	—
IH36830117/20	70	81	0,3	43,5	3	0,9	130,5	9	1,65	—
IH36830122/20	75	86	0,3	43,5	3	0,9	130,5	9	1,75	—
IH36830118/20	80	92	0,3	43,5	3	0,9	130,5	9	2,05	—
IH36830119/20	90	102	0,3	43,5	3	0,9	130,5	9	2,29	—
IH36830120/20	100	113	0,3	43,5	3	0,9	130,5	9	2,63	—
RADIOR L 3 (coils)										
IH36830122/20	110	120	0,3	43,5	3	0,9	130,5	9	2,28	—

RUBBER HOSE RADIOR DIAM. I.D. mm MADE IN ITALY Parker ITR



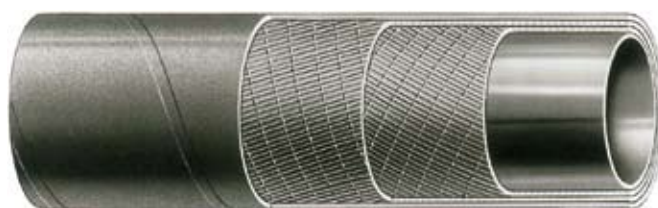
RADIOR® 3 (cut length)

Hose Construction

Tube: Black, smooth, heat resistant EPDM nitrosamine free rubber compound

Reinforcement: Synthetic textile yarn fabric

Cover: Black, smooth, heat, ageing and weather-resistant EPDM nitrosamine free rubber compound



Applications

Designed for cooling systems of automotive engines and stationary engines.

Temperature Range

-40 °C (-40 °F) to peaks of +100 °C (+212 °F)

Tolerances

On inside diameter:

≤ I.D. 38 mm: ± 0,79 mm
 > I.D. 38 mm: ± 1,59 mm

On outside diameter:

≤ I.D. 22 mm: ± 0,79 mm
 > I.D. 22 mm: ± 1,59 mm

Packing

1 metre lengths are in bundles wrapped in polythene film.

IHXXXXXXXXXX/XX Part Number/ Standard Length m	 I.D.	 O.D.	 Working Pressure			 Burst Pressure			 Weight	 min. Bend Radius
	mm	mm	MPa	psi	bar	MPa	psi	bar	kg/m	mm
RADIOR 3 (1 m cut length)										
IH36830023/1	15	21	0,3	43,5	3	0,9	130,5	9	0,23	—
IH36830024/1	16	25	0,3	43,5	3	0,9	130,5	9	0,38	—
IH36830001/1	18	24,5	0,3	43,5	3	0,9	130,5	9	0,29	—
IH36830002/1	20	26,5	0,3	43,5	3	0,9	130,5	9	0,32	—
IH36830003/1	22	28,5	0,3	43,5	3	0,9	130,5	9	0,34	—
IH36830004/1	25	32	0,3	43,5	3	0,9	130,5	9	0,39	—
IH36830005/1	28	36	0,3	43,5	3	0,9	130,5	9	0,50	—
IH36830006/1	30	38	0,3	43,5	3	0,9	130,5	9	0,53	—
IH36830007/1	32	40	0,3	43,5	3	0,9	130,5	9	0,55	—
IH36830008/1	35	43	0,3	43,5	3	0,9	130,5	9	0,60	—
IH36830009/1	38	47	0,3	43,5	3	0,9	130,5	9	0,73	—
IH36830010/1	40	49	0,3	43,5	3	0,9	130,5	9	0,77	—
IH36830011/1	42	51	0,3	43,5	3	0,9	130,5	9	0,80	—
IH36830012/1	45	54	0,3	43,5	3	0,9	130,5	9	0,85	—
IH36831030/1	48	57	0,3	43,5	3	0,9	130,5	9	0,91	—
IH36830013/1	50	60	0,3	43,5	3	0,9	130,5	9	1,07	—
IH36830014/1	55	65	0,3	43,5	3	0,9	130,5	9	1,17	—
IH36830015/1	60	70	0,3	43,5	3	0,9	130,5	9	1,26	—
IH36831021/1	63,5	74	0,3	43,5	3	0,9	130,5	9	1,38	—
IH36830016/1	65	76	0,3	43,5	3	0,9	130,5	9	1,54	—
IH36830017/1	70	81	0,3	43,5	3	0,9	130,5	9	1,65	—
IH36831031/1	75	86	0,3	43,5	3	0,9	130,5	9	1,75	—
IH36830018/1	80	92	0,3	43,5	3	0,9	130,5	9	2,05	—
IH36830019/1	90	102	0,3	43,5	3	0,9	130,5	9	2,29	—
IH36830020/1	100	113	0,3	43,5	3	0,9	130,5	9	2,63	—
RADIOR L 3 (1 m cut length)										
IH36830121/1	110	120	0,3	43,5	3	0,9	130,5	9	2,28	—

RUBBER HOSE RADIOR DIAM. I.D. mm MADE IN ITALY Parker ITR



AIRBRAKE DIN 74310

Hose according to DIN 74310

Hose Construction

- Tube:** Black, smooth EPDM nitrosamine free rubber compound
- Reinforcement:** Stress-resistant, synthetic textile yarns
- Cover:** Black, abrasion, ageing and weather-resistant, smooth EPDM nitrosamine free rubber compound



Applications

Widely used in automotive air brake systems.

Temperature Range

-40 °C (-40 °F) to + 70 °C (+158 °F)

Tolerances

DIN 74310

On inside diameter:

≤ I.D. 9 mm: ± 0,50 mm

> I.D. 9 mm: ± 0,60 mm

On wall thickness: ± 0,50 mm

Length tolerance: ± 0,5 %

Fittings

We recommend using fittings that comply with DIN 74304 and to DIN 74325 and clamps with DIN 3017.

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure MPa psi bar			 Burst Pressure MPa psi bar			 Weight kg/m	 min. Bend Radius mm
IH30315105/40	7	14	1,0	150,0	10	4,0	600,0	40	0,16	55
IH30315103/40	9	16	1,0	150,0	10	4,0	600,0	40	0,19	65
IH30315116/40	11	18	1,0	150,0	10	4,0	600,0	40	0,22	70
IH30315116/50	11	18	1,0	150,0	10	4,0	600,0	40	0,22	70
IH30315115/40	13	25	1,0	150,0	10	4,0	600,0	40	0,49	100
IH30315102/80*	15	25	1,0	150,0	10	4,0	600,0	40	0,44	115

*not complying to the norm

MADE IN ITALY Parker ITR I.D. mm DIN 74310 – TÜV GEPRÜFT –
Year/Quarter with traceability code



AIRBRAKE SAE J 1402-A

Hose according to SAE J 1402-A



Hose Construction

- Tube:** Black, smooth, NBR/SBR rubber compound
- Reinforcement:** Synthetic textile yarns
- Cover:** Black, smooth, abrasion, ageing and weather-resistant CR rubber compound

Tolerances

According to SAE J1402 – TABLE A

On inside diameter:

I.D. 9,5 mm: $\pm 0,60$

I.D. 11,1 - 15,9 mm: $\pm 0,80$

On outside diameter:

O.D. 19 mm: $+ 0,80 / - 0,70$

O.D. 20,6 - 27 mm: $\pm 0,80$

Length tolerance: $\pm 1 \%$

Applications

Widely used in automotive air brake systems.

Temperature Range

-40 °C (-40 °F) to + 93 °C (+200 °F)

IHXXXXXXXX/XX Part Number/ Standard Length m	I.D.		O.D.	Burst Pressure			Weight	min. Bend Radius
	inch	mm	mm	MPa	psi	bar	kg/m	mm
IH30315117/40	3/8	9,5	19,0	6,21	900,0	62,1	0,30	89
IH30315118/40	7/16	11,1	20,6	6,21	900,0	62,1	0,34	102
IH30315119/40	1/2	12,7	22,2	6,21	900,0	62,1	0,37	102
IH30315122/40	–	14,5	24,5	6,21	900,0	62,1	0,43	131
IH30315121/40	5/8	15,9	27,0	6,21	900,0	62,1	0,53	114



CARBOPRESS SAE J 200 N/L

Hose Construction

- Tube:** Black, smooth, antistatic
($R < 1 \text{ M}\Omega/\text{m}$), NBR rubber compound, resistant to oils, fuels and unleaded petrol, rubber according to SAE J 200 7BG 810 EF11 EF21
- Reinforcement:** Synthetic textile yarns
- Cover:** Black, smooth, antistatic
($R < 1 \text{ M}\Omega/\text{m}$), NBR/PVC rubber compound resistant to oils, abrasion and weathering



Tolerances

- On inside diameter:** $\pm 0,50 \text{ mm}$
On outside diameter: $\pm 0,60 \text{ mm}$
Length tolerance: $\pm 1 \%$

Note

Continuous working at 10 bar and $+120^\circ\text{C}$ ($+248^\circ\text{F}$) will considerably decrease hose life.

Applications

Hose for lead and unleaded fuels in car and motorbike engines and gearbox lubricants. Hose meets the permeability limits of American Standard SAE 30 R6, SAE30 R7, SAE 30 R8.

Temperature Range

-25°C (-13°F) to $+120^\circ\text{C}$ ($+248^\circ\text{F}$)

IHXXXXXXXX/XX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH30515000/100	4	9	1,0	150,0	10	3,0	450,0	30	0,070	40
IH30515002/100	6	13	1,0	150,0	10	3,0	450,0	30	0,140	55
IH30515003/100	7	13	1,0	150,0	10	3,0	450,0	30	0,127	55
IH30515004/100	7,5	14	1,0	150,0	10	3,0	450,0	30	0,148	65
IH30511035/100	10	16	1,0	150,0	10	3,0	450,0	30	0,165	75

**CARBOPRESS SAE J 30 R7 N/L**

Hose according to SAE J 30 R7

**Hose Construction**

Tube: Black, smooth, antistatic (R < 1 MΩ/m) NBR rubber compound, resistant to oils, fuels and unleaded petrol with aromatic content not exceeding 50 %

Reinforcement: Synthetic textile yarns

Cover: Black, smooth, antistatic (R < 1 MΩ/m) CR rubber compound resistant to oils, abrasion, weather and fire

Tolerances

According to SAE J30 R7

On inside diameter:

≤ I.D. 9,5 mm: ± 0,4 mm

> I.D. 9,5 mm: ± 0,6 mm

On outside diameter:

≤ O.D. 15,9 mm: ± 0,6 mm

> O.D. 15,9 mm: ± 0,8 mm

Length tolerance: ± 1 %**Note**

Also available in reels, on request.

Applications

Low permeability, fire resistant hose, for lead and unleaded fuels in car and motorbike engines and gearbox lubricants where high performance and compliance to standards are important issue. Hose meets the American Standard SAE J30 R7

Temperature Range

-40 °C (-40 °F) to +125 °C (+257 °F)

IHXXXXXXXXXX/XX Part Number/ Standard Length m										
	I.D.	O.D.	Working Pressure			Burst Pressure			Weight	min. Bend Radius
	mm	mm	MPa	psi	bar	MPa	psi	bar	kg/m	mm
CARBOPRESS SAE30 R7 N/L (rolls)										
IH30872400/100	4	9,1	0,4	58,0	4	1,6	232,0	16	0,073	30
IH30872401/100	4,8	10,3	0,4	58,0	4	1,6	232,0	16	0,092	40
IH30872402/100	6,4	12,7	0,4	58,0	4	1,6	232,0	16	0,133	55
IH30872403/100	8,0	14,3	0,4	58,0	4	1,6	232,0	16	0,155	65
IH30872404/100	9,5	15,9	0,3	43,5	3	1,2	174,0	12	0,180	75
IH30872405/100	12,7	19,9	0,3	43,5	3	1,2	174,0	12	0,251	100
CARBOPRESS SAE30 R7 N/L RL (reels)										
IH30872400/15-R90*	4	9,1	0,4	58,0	4	1,6	232,0	16	0,073	30
IH30872401/15-R90*	4,8	10,3	0,4	58,0	4	1,6	232,0	16	0,092	40
IH30872402/15-R90*	6,4	12,7	0,4	58,0	4	1,6	232,0	16	0,133	55
IH30872403/15-R90*	8,0	14,3	0,4	58,0	4	1,6	232,0	16	0,155	65
IH30872404/10-R60**	9,5	15,9	0,3	43,5	3	1,2	174,0	12	0,180	75
IH30872405/10-R10^	12,7	19,9	0,3	43,5	3	1,2	174,0	12	0,251	100
IH30872405/40-R40°	12,7	19,9	0,3	43,5	3	1,2	174,0	12	0,251	100

* box quantity = 6 x 15 m (reels)

** box quantity = 6 x 10 m (reels)

^ box quantity = 1 x 10 m (reels)

° box quantity = 1 x 40 m (reels)

RUBBER FUEL HOSE CARBOPRESS SAE 30 R7 MADE IN ITALY - Parker ITR (repeated every 300 mm)



TBSE

Hose Construction

- Tube:** Black, oil and fuel resistant, smooth, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), NBR rubber compound
- Reinforcement:** Synthetic textile yarns
- Cover:** Black, oil, fuel, abrasion, weather-resistant, smooth, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), NBR/EPDM rubber compound



Applications

Desigend for general applications in fuel systems where low permeability levels are required. Suitable for leaded and unleaded fuels and diesel.

Tolerances

According to UNI EN ISO 1307/97

On inside diameter:

$\leq \text{I.D. } 5 \text{ mm:}$ $\pm 0,6 \text{ mm}$

$> \text{I.D. } 5 \text{ mm:}$ $\pm 0,8 \text{ mm}$

Length tolerance: $\pm 1 \%$

Temperature Range

$-30 \text{ }^{\circ}\text{C}$ ($-22 \text{ }^{\circ}\text{F}$) to $+100 \text{ }^{\circ}\text{C}$ ($+212 \text{ }^{\circ}\text{F}$)

IHXXXXXXXXXX/XX Part Number/ Standard Length m	 I.D.	 O.D.	 Working Pressure			 Burst Pressure			 Weight	 min. Bend Radius
	mm	mm	MPa	psi	bar	MPa	psi	bar	kg/m	mm
TBSE (rolls)										
IH30871001/100	4	9	1,0	150,0	10	3,0	450,0	30	0,069	30
IH30871011/100	5	10	1,0	150,0	10	3,0	450,0	30	0,08	40
IH30871021/100	6	13	1,0	150,0	10	3,0	450,0	30	0,14	55
IH30871031/100	7	13	1,0	150,0	10	3,0	450,0	30	0,127	55
IH30871041/100	7,5	14	1,0	150,0	10	3,0	450,0	30	0,148	65
IH30871051/100	10	16	1,0	150,0	10	3,0	450,0	30	0,165	75
TBSE (reels)										
IH30871001/15-R90*	4	9	1,0	150,0	10	3,0	450,0	30	0,069	30
IH30871011/15-R90*	5	10	1,0	150,0	10	3,0	450,0	30	0,08	40
IH30871021/15-R90*	6	13	1,0	150,0	10	3,0	450,0	30	0,14	55
IH30871031/15-R90*	7	13	1,0	150,0	10	3,0	450,0	30	0,127	55
IH30871041/15-R90*	7,5	14	1,0	150,0	10	3,0	450,0	30	0,148	65
IH30871051/10-R60**	10	16	1,0	150,0	10	3,0	450,0	30	0,165	75

* box quantity = 6 x 15 m (reels)

** box quantity = 6 x 10 m (reels)

ORIGINAL ECO 1 TBSE MADE IN ITALY Parker ITR

**TBE****Hose Construction**

Tube: Black, oil and fuel resistant, smooth NBR rubber compound

**Reinforcement/
Cover:**

High tensile polyester textile overbraid, resistant to abrasion, fuel, oil and weathering

**Applications**

Designed for particular applications in fuel systems where textile cover is requested.
Suitable for leaded and unleaded fuels and diesel.

Temperature Range

-20 °C (-4 °F) to +90 °C (+194 °F)

Tolerances

On inside diameter: + 0 / - 0,5 mm
Length tolerance: ± 1 %

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
IH11001300/15-R90*	3	7	1,0	150,0	10	3,0	450,0	30	0,04	30
IH11001345/15-R90*	7,5	14,5	1,0	150,0	10	3,0	450,0	30	0,13	65

* box quantity = 6 x 15 m (reels)



TG 100

FIAT A1/TGB/FA - TAB. 55280/04 Specification

Hose Construction

Black, smooth hose in NBR rubber compound without reinforcement, moderate permeability, resistant to hydrocarbons, ozone, and ageing agents.



Applications

Design for feed systems with hydrocarbons, in particular for the return of fuel and oil equipment.

Tolerances

On inside diameter:	± 0,3 mm
On outside diameter:	± 0,3 mm
Length tolerance:	± 1 %

Temperature Range

-35 °C (-31 °F) to +125 °C (+257 °F)

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure MPa psi bar			 Burst Pressure MPa psi bar			 Weight kg/m	 min. Bend Radius mm
IH10001200/100	3	7	0,2	30,0	2	0,6	90,0	6	0,048	30

ORIGINAL TG MADE IN ITALY Parker ITR

**AUTOGAS ECE 67/110 CLASS 2**

Hose according to ECE 67
and ECE 110 Class 2

**Hose Construction**

- Tube:** Black, smooth, insulating
($R > 1 \text{ M}\Omega/\text{m}$), LPG and methane
permeation resistant NBR rubber
compound
- Reinforcement:** Synthetic textile yarns
- Cover:** Black, smooth, insulating
($R > 1 \text{ M}\Omega/\text{m}$), CSM rubber
compound resistant to ageing, heat,
abrasion, ozone and weathering

Tolerances

UNI EN ISO 1307/97

On inside diameter:

I.D. 4 mm: $\pm 0,60 \text{ mm}$

I.D. 6 - 20 mm: $\pm 0,80 \text{ mm}$

Length tolerance: $\pm 1 \%$

Applications

Low pressure hoses, designed according to regulation
ECE 67, 01, Annex 8, Class 2 and ECE 110, 02,
Annex 4b, Class 2.

Suitable for low pressure delivery of LPG and
methane CNG alternative fuel kits.

*P.S. This hose exceeds the requirements of
DIN 4815 Teil 4 (Hose for fuel gas installation
in vehicles) – 0,1.*

Temperature Range

-25 °C (-13 °F) to +120 °C (+ 248 °F)

IHXXXXXXXXXX						
Part Number/ Standard Length m	I.D. mm	O.D. mm	Working Pressure (bar-kPa) Max	Burst Pressure (bar-kPa) Min	Weight kg/m	min. Bend Radius mm
AUTOGAS ECE 67/110 CLASS 2						
IH30510060/50	4	10	4,5 - 450	18 - 1800	0,089	35
IH30510061/50	6,3	13	4,5 - 450	18 - 1800	0,136	50
IH30510063/50	7,5	14,5	4,5 - 450	18 - 1800	0,162	60
IH30510055/50	8	14	4,5 - 450	18 - 1800	0,140	60
IH30510064/50	10	17	4,5 - 450	18 - 1800	0,199	80
IH30510065/50	12	19	4,5 - 450	18 - 1800	0,228	100
IH30510085/50	13	22	4,5 - 450	18 - 1800	0,334	115
IH30510066/50	14	22	4,5 - 450	18 - 1800	0,301	115
IH30510059/50	16	24	4,5 - 450	18 - 1800	0,334	130
IH30510067/50	16,5	24,5	4,5 - 450	18 - 1800	0,342	135
IH30510068/50	17	25	4,5 - 450	18 - 1800	0,354	140
IH30510069/50	19	27	4,5 - 450	18 - 1800	0,390	150
IH30510058/50	20	28	4,5 - 450	18 - 1800	0,407	160
AUTOGAS SP 670 ECE 67/110 CLASS 2						
IH30510027/50	5	10,5	4,5 - 450	18 - 1800	0,091	40

**RUBBER HOSE AUTOGAS ECE 67 – L.P.G. CLASS 2 – 67R-01 0128 /
ECE 110 – CNG CLASS 2 – 110 R-000008 – I.D. mm MADE IN ITALY Parker ITR**



FLEXIREX/N

Hose Construction

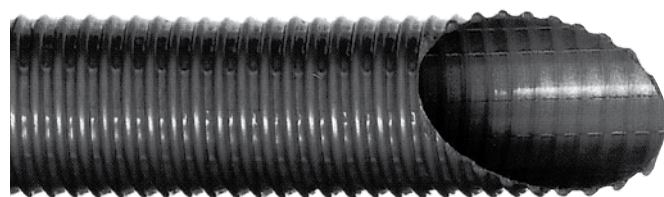
Flexible hose having an off-white, rigid PVC spiral embedded in a black, flexible PVC wall. Externally corrugated, smooth inner surface.

Applications

For air scoop and conveying air, on LPG/CNG kit. It is also suitable for air-dusts, air-conditioning units and centralized suction equipment.

Temperature Range

-15 °C (+5 °F) to +60 °C (+140 °F)



Suction

0,75 bar (550 mm Hg)

Tolerances

On inside diameter: $\pm 4\%$

On wall thickness: $\pm 0,50$ mm

Length tolerance: $\pm 1\%$

All other technical data are subject to a $\pm 5\%$ tolerance.

Burst Pressure

Suitable only for conveying and scoop of air and suction.

IHXXXXXXXX/XX Part Number / Standard Length m	 I.D. mm	 Wall Thickness mm	 Working Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar		
IH35511030/50	30	2,7	–	–	–	0,20	30
IH35511032/50	32	2,7	–	–	–	0,22	32

**CARBOPRESS EN ISO 7840 A1**

Hose according to EN ISO 7840 A1
D. M. 48

**Hose Construction**

Tube: Black, smooth, antistatic
($R < 1 \text{ M}\Omega/\text{m}$), oil and fuel resistant
NBR rubber compound

Reinforcement: Synthetic textile yarns

Cover: Black, smooth, antistatic
($R < 1 \text{ M}\Omega/\text{m}$), CR rubber
compound resistant to abrasion,
oil, fuel, weather and fire resistant

Tolerances

According to EN ISO 7840

On inside diameter:

I.D. 5 mm: $\pm 0,50 \text{ mm}$

I.D. 6 - 19 mm: $\pm 0,75 \text{ mm}$

I.D. 25 mm: $\pm 1,25 \text{ mm}$

Length tolerance: $\pm 1 \%$

Applications

Fire resistant fuel hose suitable for loading diesel, leaded and unleaded fuels with an aromatic content not exceeding 50 %, for small craft of - 24 m length of hull with permanently installed inboard engines. According to EN ISO 7840 type A1 (permeability - 4 g/m² hour) and exceeding the requirement of type A2 (permeability - 12 g/m² hour). Complies with the essential requirements given in the European Directive for small craft 94/25/EC.

Type Approval Certificate

The European Directive 94/25/CE, according to EN ISO 7840 A1 (fire resistant fuel hoses), is certified by RINA for the use of CE brand and by Lloyd's Register for Type Approval.

On Board Installation & Maintenance Requirements

End connections shall be provided in accordance with the applicable requirements stated.

Temperature Range

-20 °C (-4 °F) to +100 °C (+212 °F)

IHXXXXXXXX/XX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure MPa psi bar			 Burst Pressure MPa psi bar			 Weight kg/m	 min. Bend Radius mm
IH30511049/100	5	15	0,34	49,3	3,4	3,0	450,0	30	0,22	30
IH30511050/100	6	16	0,34	49,3	3,4	3,0	450,0	30	0,25	35
IH30511051/100	8	18	0,34	49,3	3,4	3,0	450,0	30	0,29	50
IH30511057/100	10	20	0,34	49,3	3,4	3,0	450,0	30	0,32	60
IH30511053/80	12,5	22	0,34	49,3	3,4	3,0	450,0	30	0,37	75
IH30511054/80	16	26	0,34	49,3	3,4	3,0	450,0	30	0,47	100
IH30511055/50	19	29	0,34	49,3	3,4	3,0	450,0	30	0,54	115
IH30511058/50	25	35	0,34	49,3	3,4	3,0	450,0	30	0,67	150

RUBBER HOSE CARBOPRESS EN ISO 7840 A1 CE MADE IN ITALY Parker ITR
Year with traceability code



CARBOCORD EN ISO 7840 A1

Hose according to EN ISO 7840 A1

Hose Construction

- Tube:** Black, smooth, antistatic
($R < 1 \text{ M}\Omega/\text{m}$),
oil and fuel resistant NBR rubber
compound
- Reinforcement:** Synthetic textile yarns
- Cover:** Black, smooth, antistatic
($R < 1 \text{ M}\Omega/\text{m}$),
NBR/SBR rubber compound resistant
to abrasion, oil, fuel, weather and fire



Tolerances

According to EN ISO 7840

- On inside diameter:** $\pm 1,5 \text{ mm}$
- Length tolerance:** $\pm 1 \%$

Type Approval Certificate

The European Directive 94/25/CE, according to EN ISO 7840 A1 (fire resistant fuel hoses), is certified by RINA for the use of CE brand and by Lloyd's Register for Type Approval.

Applications

Fire resistant fuel hose suitable for loading diesel, leaded and unleaded fuels with an aromatic content not exceeding 50 %, for small craft of - 24 m length of hull with permanently installed inboard engines.

According to EN ISO 7840 type A1 (permeability - 4 g/m² hour) and exceeding the requirement of type A2 (permeability - 12 g/m² hour).

Complies with the essential requirements given in the European Directive for small craft 94/25/EC.

On Board Installation & Maintenance Requirements

End connections shall be provided in accordance with the applicable requirements stated.

Temperature Range

-20 °C (-4 °F) to +100 °C (+212 °F)

IHXXXXXXXX/XX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure MPa psi bar			 Burst Pressure MPa psi bar			 Weight kg/m	 min. Bend Radius mm
IH36521202/40	32	44	0,25	36,25	2,5	2,0	300,0	20	0,97	320
IH36521204/40	38	50	0,25	36,25	2,5	2,0	300,0	20	1,10	380
IH36521205/40	40	52	0,25	36,25	2,5	2,0	300,0	20	1,15	400
IH36521207/40	50	62	0,25	36,25	2,5	2,0	300,0	20	1,40	500
IH36521210/40	63,5	76	0,25	36,25	2,5	2,0	300,0	20	1,80	635
IH36521211/20	76	88	0,25	36,25	2,5	2,0	300,0	20	2,04	760
IH36521212/20	100	117	0,25	36,25	2,5	2,0	300,0	20	3,83	1000



CARBURITE EN ISO 7840 A1

Hose according to EN ISO 7840 A1



Hose Construction

- Tube:** Black, smooth, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), oil and fuel resistant NBR rubber compound
- Reinforcement:** Synthetic textile yarns and embedded steel wire helix
- Cover:** Black, smooth, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), NBR/SBR rubber compound resistant to abrasion, oil, fuel, weather and fire

Tolerances

According to EN ISO 7840

On inside diameter:

- I.D. 19 mm: $\pm 0,75 \text{ mm}$
- I.D. 25 mm: $\pm 1,25 \text{ mm}$
- > I.D. 25 mm: $\pm 1,5 \text{ mm}$

Length tolerance: $\pm 1 \%$

Applications

Fire resistant fuel hose suitable for loading diesel, leaded and unleaded fuels with an aromatic content not exceeding 50 %, for small craft of - 24 m length of hull with permanently installed inboard engines.

According to EN ISO 7840 type A1 (permeability - $4 \text{ g/m}^2 \text{ hour}$) and exceeding the requirement of type A2 (permeability - $12 \text{ g/m}^2 \text{ hour}$).

Complies with the essential requirements given in the European Directive for small craft 94/25/EC.

Type Approval Certificate

The European Directive 94/25/CE, according to EN ISO 7840 A1 (fire resistant fuel hoses), is certified by RINA for the use of CE brand and by Lloyd's Register for Type Approval.

On Board Installation & Maintenance Requirements

End connections shall be provided in accordance with the applicable requirements stated.

Temperature Range

-20 °C (-4 °F) to +100 °C (+212 °F)

IHXXXXXXXX/XX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure MPa psi bar			 Burst Pressure MPa psi bar			 Weight kg/m	 min. Bend Radius mm
IH36531510/40	19	32	0,25	36,0	2,5	2,0	300,0	20	0,76	120
IH36531511/40	25	39	0,25	36,0	2,5	2,0	300,0	20	1,08	150
IH36531512/40	32	46	0,25	36,0	2,5	2,0	300,0	20	1,30	190
IH36531513/40	38	54	0,25	36,0	2,5	2,0	300,0	20	1,73	240
IH36530515/40	50	66	0,25	36,0	2,5	2,0	300,0	20	2,18	300
IH36531515/40	60	77	0,25	36,0	2,5	2,0	300,0	20	2,72	360



SM/TR 311

Manufactured according to
EN ISO 7840 class A1 and EN ISO 13363,
meets the European Directive 94/25/EC



Hose Construction

- Tube:** Black, smooth, antistatic
($R < 1 \text{ M}\Omega/\text{m}$),
NBR rubber compound, resistant to
exhaust gas,
sea water, oil and fuel having an
aromatic content
not exceeding 50 %
- Reinforcement:** Synthetic textile fabrics and
embedded steel wire helix
- Cover:** Black, smooth, antistatic
($R < 1 \text{ M}\Omega/\text{m}$),
NBR/SBR rubber compound,
resistant to flame,
heat, oil and fuel, abrasion, ageing
and weathering

Suction

Max. 0,80 bar (600 mm Hg)

Tolerances

On inside diameter:

$\leq \text{I.D. } 38 \text{ mm:}$ $\pm 0,79 \text{ mm}$

$\text{I.D. } 40 - 60 \text{ mm:}$ $\pm 1,50 \text{ mm}$

$\geq \text{I.D. } 63,5 \text{ mm:}$ $\pm 2,00 \text{ mm}$

Length tolerance: $\pm 1 \%$

Type Approval Certificate

RINA approval for the use of the CE symbol and
Lloyd's Register Type Approval.

Applications

Designed and approved for use in water cooling
exhaust gas systems and also as fire resistant fuel hose
for craft. Suitable for general loading and unloading oils
and fuel service.

Assembly

For correct hose assembly, use high quality fittings
only and follow carefully the recommendations of the
fitting manufacturer.

Temperature Range

-20 °C (-4 °F) to +100 °C (+212 °F)

IHXXXXXXXX/XX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH36971005/40	19	29	0,3	43,5	3	2,0	300,0	20	0,630	120
IH36971006/40	25	35	0,3	43,5	3	2,0	300,0	20	0,770	150
IH36974109/40	32	42	0,3	43,5	3	2,0	300,0	20	0,940	190
IH36974107/40	38	48	0,3	43,5	3	2,0	300,0	20	1,090	230
IH36974110/40	40	50	0,3	43,5	3	2,0	300,0	20	1,140	240
IH36974111/40	45	55	0,3	43,5	3	2,0	300,0	20	1,260	270
IH36974112/40	50	60	0,3	43,5	3	2,0	300,0	20	1,410	300
IH36974118/40	55	65	0,3	43,5	3	2,0	300,0	20	1,530	330
IH36974113/40	60	70	0,3	43,5	3	2,0	300,0	20	1,670	360
IH36974114/40	63,5	73,5	0,3	43,5	3	2,0	300,0	20	1,850	380
IH36974115/20	76	86	0,3	43,5	3	2,0	300,0	20	2,290	455
IH36974116/20	90	100	0,3	43,5	3	2,0	300,0	20	2,670	540
IH36974117/20	102	113	0,3	43,5	3	2,0	300,0	20	3,240	610
IH36974119/20	125	139	0,3	43,5	3	2,0	300,0	20	5,020	750
IH36974121/15*	150	171	0,3	43,5	3	2,0	300,0	20	10,000	900

*only complying to EN ISO 13363

RUBBER HOSE SM/TR 311 - EXHAUST AND FUEL HOSE - I.D. mm - CE.... - NORDIC BOAT STANDARD 1990 EN ISO 7840 A1 - EN ISO 13363:2004 Type 2 Class B - Quarter Year MADE IN ITALY Parker ITR

**SM/TR 311 OND**

Manufactured according to
EN ISO 7840 class A1 and EN ISO 13363,
meets the European Directive 94/25/EC

**Hose Construction**

- Tube:** Black, smooth, antistatic
($R < 1 \text{ M}\Omega/\text{m}$),
NBR rubber compound, resistant to
exhaust gas,
sea water, oil and fuel having an
aromatic content
not exceeding 50 %
- Reinforcement:** Synthetic textile fabrics and
embedded steel wire helix
- Cover:** Corrugated, black, antistatic
($R < 1 \text{ M}\Omega/\text{m}$), NBR/SBR rubber
compound, resistant to flame,
heat, oil and fuel, abrasion, ageing
and weathering

Applications

Designed and approved for use in water cooling
exhaust gas systems and also as fire resistant
fuel hose for craft, where highly flexible hoses are
required. Suitable for general loading and unloading
oils and fuel service.

Temperature Range

-20 °C (-4 °F) to +100 °C (+212 °F)

Suction

Max. 0,80 bar (600 mm Hg)

Tolerances**On inside diameter:**

$\leq \text{I.D. } 38 \text{ mm:}$ $\pm 0,79 \text{ mm}$

$\text{I.D. } 40 - 60 \text{ mm:}$ $\pm 1,50 \text{ mm}$

$\geq \text{I.D. } 63,5 \text{ mm:}$ $\pm 2,00 \text{ mm}$

Length tolerance: $\pm 1 \%$

Type Approval Certificate

RINA approval for the use of the CE symbol and
Lloyd's Register Type Approval.

Assembly

For correct hose assembly, use high quality fittings only
and follow carefully the recommendations of the fitting
manufacturer.

IHXXXXXXXX/XX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH36974301/40	19	—	0,3	43,5	3	1,5	217,5	15	0,630	80
IH36974302/40	25	—	0,3	43,5	3	1,5	217,5	15	0,770	100
IH36974303/40	32	—	0,3	43,5	3	1,5	217,5	15	0,940	130
IH36974304/40	38	—	0,3	43,5	3	1,5	217,5	15	1,090	160
IH36974305/40	40	—	0,3	43,5	3	1,5	217,5	15	1,140	160
IH36974306/40	45	—	0,3	43,5	3	1,5	217,5	15	1,260	180
IH36974307/40	50	—	0,3	43,5	3	1,5	217,5	15	1,410	200
IH36974309/40	60	—	0,3	43,5	3	1,5	217,5	15	1,670	240
IH36974310/40	63,5	—	0,3	43,5	3	1,5	217,5	15	1,850	255
IH36974311/20	76	—	0,3	43,5	3	1,5	217,5	15	2,290	300
IH36974312/20	90	—	0,3	43,5	3	1,5	217,5	15	2,670	360
IH36974314/20	102	—	0,3	43,5	3	1,5	217,5	15	3,240	400
IH36974315/20	125	—	0,3	43,5	3	1,5	217,5	15	5,020	500
IH36974317/15*	150	—	0,3	43,5	3	2,0	300,0	20	10,000	600

*only complying to EN ISO 13363



VARIO NW 3

Hose Construction

- Tube:** Black, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), smooth EPDM nitrosamine free rubber compound
- Reinforcement:** Synthetic textile fabric and embedded steel wire helix
- Cover:** White, smooth EPDM nitrosamine free rubber compound, particularly resistant to abrasion, heat and weathering



Suction

Max. 0,8 bar (600 mm Hg)

Tolerances

RMA steel mandrel

On inside diameter: $\pm 0,79 \text{ mm}$

Length tolerance: $\pm 1 \%$

Applications

Light-weight and flexible, specially designed as effluent hose for leisure boat toilet systems.

Temperature Range

-40 °C (-40 °F) to +100 °C (+212 °F)

IHXXXXXXXX/XX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure MPa psi bar			 Burst Pressure MPa psi bar			 Weight kg/m	 min. Bend Radius mm
IH36212049/40	19	29	0,3	43,5	3	0,9	130,5	9	0,73	110
IH36212050/40	25	35	0,3	43,5	3	0,9	130,5	9	0,95	150
IH36212052/40	38	48	0,3	43,5	3	0,9	130,5	9	1,30	230

RUBBER SANITARY HOSE VARIO 3 bar MADE IN ITALY Parker ITR

