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



Oil & Fuel



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	-25 / +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 %
CHEMIOEL EN 12115 OND	19 - 100	-25 / +80	fuel, oil, petrol aromatic < 50 %
CERVINO EN 12115	50 - 100	-40 / +80	fuel, oil, petrol aromatic < 50 %
CARBOPRESS D EN 1360/1	16 - 25	-25 / +55	petrol pumps
RAGUSA 4	38 - 100	-25 / +80	fuel, oil, petrol aromatic < 50 %
GASTRUCK EN 1762 D-M	13 - 50	-30 / +70	LPG/ CNG load tankers
ROBUR GPL	6.5 - 51	-30 / +70	LPG/ CNG load & unload tankers
JETCORD B ISO 1825	25 - 100	-40 / +70	aircraft refuelling
JETCORD C ISO 1825	25 - 100	-40 / +70	aircraft refuelling
JETCORD E ISO 1825	25 - 100	-40 / +70	aircraft refuelling
JETCORD F ISO 1825	25 - 100	-40 / +70	aircraft refuelling
JETCORD XT/C	25 - 100	-40 / +70	aircraft refuelling



	Tube	Reinforce- ment	Cover	WP (bar)	Safety 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	10	4	yes	EN12115	A8
	NBR	textile + copper wires	NBR/SBR	16	4	yes	EN 12115	A9
	NBR	textile + copper wires	CR	16	4		EN 1360/1	A10
	NBR	textile + copper wires	NBR/SBR	16	4	yes		A11
	NBR	textile + copper wires	NBR/SBR	25	4		EN 1762	A12
	NBR	steel wire	SBR/CR	25	10			A13
	NBR	textile + copper wires	CR	20	4		EN ISO 1825 Type B	A14
	NBR	textile	CR	20	4		EN ISO 1825 Type C	A15
	NBR	textile	CR	20	4	yes	EN ISO 1825 Type E	A16
	NBR	textile	CR	20	4	yes	EN ISO 1825 Type F	A17
	NBR	textile	CR	20	4		API 1529 Type C - Grade 2	A18



CARBOPRESS N/L 10 - 20

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

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



- Dual pressure lines
- Also suitable for water and air in general service applications
- Burst Pressure Value 3:1

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 TH34

Part Number				Working Pressure				Weight		min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m		mm			
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		
IH30512010/80	16	26	2.0	300.0	20	0.44		130	N		
IH30512010/40	16	26	2.0	300.0	20	0.44		130	Y		
IH30512007/80	19	30	2.0	300.0	20	0.57		150	N		
IH30512007/40	19	30	2.0	300.0	20	0.57		150	N		
IH30512009/50	25	36	2.0	90.0	20	0.71		200	N		
IH30512009/40	25	36	2.0	90.0	20	0.71		200	N		

RUBBER HOSE CARBOPRESS W.P. bar MADE IN ITALY 

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.

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 ($R < 1 \text{ M}\Omega/\text{m}$) NBR/SBR rubber compound, oil, fuel, abrasion, ageing and weather resistant



- 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)
- Burst Pressure Value 3:1

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-30 °C (-22 °F) to +80 °C (+176 °F)

up to +100 °C (+212 °F) for oil

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
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



CARBOCORD EN 12115

According to EN 12115

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

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 ($R < 1 \text{ M}\Omega/\text{m}$), oil, fuel, abrasion, ageing and weather resistant.



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

Tolerances

According to EN 12115

Refer to Technical Handbook on page TH34

Temperature Range

-25 °C (-13 °F) to +80 °C (+176 °F)

up to +100 °C (+212 °F) for oil

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
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	Y	
IH36522316/40	100	116	1.2	180.0	12	3.80	450	Y	

CHEMIOEL EN 12115

According to EN 12115

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

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 ($R < 1 \text{ M}\Omega/\text{m}$), oil, fuel, abrasion, ageing and weather resistant



- 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
- Burst Pressure Value 4:1

Tolerances

According to EN 12115

Refer to Technical Handbook on page TH34

Temperature Range

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

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
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



CHEMIOEL EN 12115 OND

According to EN 12115

Specially designed for suction and delivery of mineral oils and fuels with an aromatic content not exceeding 50 %, mud and hydrocarbons for trucks when a lightweight and flexible hose is required.

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 a copper wire to facilitate the electrical connection between the hose and the end couplings
- Cover:** Black, smooth, NBR/SBR rubber compound, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), oil, fuel, abrasion, ageing and weather resistant



- Meets TRbF 131 Teil 2 par 5.5 (flame resistance)
- Very low bending radius
- Electrical continuity guaranteed by copper wires if correctly assembled
- Vacuum 0.9 bar
- Burst Pressure Value 4:1

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 TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH36530250/40	19	—	1.0	150.0	10	0.77	60	N	
IH36530251/40	25	—	1.0	150.0	10	0.95	75	N	
IH36530252/40	32	—	1.0	150.0	10	1.15	100	N	
IH36530253/40	38	—	1.0	150.0	10	1.50	120	N	
IH36530254/40	50	—	1.0	150.0	10	2.22	150	Y	
IH36530255/40	63.5	—	1.0	150.0	10	2.72	190	N	
IH36530256/20	75	—	1.0	150.0	10	3.22	225	N	
IH36530257/20	100	—	1.0	150.0	10	5.04	300	N	

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.

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 ($R < 1 \text{ M}\Omega/\text{m}$), oil, fuel, low temperature, ageing and weather resistant



- 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)
- Burst Pressure Value 4:1

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 TH34

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



RAGUSA 4

Suitable for suction and delivery of mineral oils and fuels having an aromatic content not exceeding 50 %, when a lightweight and flexible hose is required.

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 for electrical continuity at both ends
- Cover:** Black, oil, fuel, abrasion and weather resistant, antistatic ($R < 1 \text{ M}\Omega/\text{m}$) corrugated NBR/SBR rubber compound. Generally manufactured with soft cuffed ends and supplied in lengths required



- Very low bending radius
- Customized length
- Soft cuffed ends for clamps fixing
- Burst Pressure Value 4:1

Temperature Range

-25 °C (-13 °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 TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH36538099/0	38	—	0.4	58.0	4	1.10	150	N	
IH36538100/0	40	—	0.4	58.0	4	1.15	160	N	
IH36538101/0	50	—	0.4	58.0	4	1.39	200	N	
IH36538106/0	60	—	0.4	58.0	4	1.80	240	N	
IH36538105/0	63.5	—	0.4	58.0	4	1.89	250	N	
IH36538102/0	75	—	0.4	58.0	4	2.19	300	N	
IH36538103/0	80	—	0.4	58.0	4	2.32	320	N	
IH36538104/0	100	—	0.4	58.0	4	3.08	400	N	

N° PROGRESS. MATRIC.

RAGUSA MADE IN ITALY



CARBOPRESS D EN 1360/1

According to EN 1360 type 1

Designed for dispensing metered quantities of automotive fuels from dispensing equipment (petrol pumps). Resistant to leaded and unleaded petrol (gasoline) with an aromatic content not exceeding 50 %.

Hose Construction

- Tube:** Black, smooth, NBR rubber compound, antistatic ($R < 1 \text{ M}\Omega/\text{m}$)
- Reinforcement:** Synthetic textile yarns providing low dilation. Built-in copper wires to allow electrical continuity between fittings
- Cover:** Black, smooth, non-staining and antistatic ($R < 1 \text{ M}\Omega/\text{m}$) CR rubber compound resistant to abrasion, oil, fuel and weathering

Temperature Range

-25 °C (-13 °F) to +55 °C (+131 °F)



- Electrical continuity guaranteed by copper wires if correctly assembled
- Designed for petrol pumps
- Suitable for diesel and gasoline
- Burst Pressure Value 4:1

Tolerances

On inside diameter	
≤ I.D. 19 mm	± 0.80 mm
> I.D. 19 mm	± 1.25 mm
On outside diameter	
≤ O.D. 31 mm	± 0.80 mm
> O.D. 31 mm	± 1.25 mm
Length tolerance	± 1 %

Part Number				Working Pressure				 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m			
IH30502420/90	16	26	1.6	232.0	16	0.47	80	Y	
IH30502421/80	18	30	1.6	232.0	16	0.64	90	Y	
IH30502407/50	19	31	1.6	232.0	16	0.63	95	Y	
IH36521140/40*	25	37	1.6	232.0	16	0.74	150	Y	

* CARBOCORD D EN1360/1 Mandrel Made Production

CARBOPRESS D EN 1360:2005 Type 1 - I.D.mm - 16 bar - M - MADE IN ITALY
Quarter/Year with traceability code



CARBOPRESS D EN 1360:2005 Type 1 M - I.D. mm - 16 bar - Quarter/Year - MADE IN ITALY





GASTRUCK EN 1762 D-M

According to EN 1762

Liquid gas application (methane, propane, LPG) loading of tankers. According to EN 1762 (hoses and hose assemblies for LPG and natural gas).

Hose Construction

- Tube:** Low diffusion rate NBR rubber compound of uniform thickness
- Reinforcement:** Synthetic textile fabrics, embedded built-in copper wire to facilitate the electrical connection between the hose and the end couplings
- Cover:** Black, smooth, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), abrasion, oil, fuel and weather resistant NBR/SBR rubber compound. Pin-pricked to prevent the formation of blisters

Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)



- Electrical continuity guaranteed by copper wires if correctly assembled
- Low permeability
- Pin-pricked cover
- Burst Pressure Value 4:1

Tolerances

On inside diameter		
≤ I.D. 38 mm		± 0.50 mm
> I.D. 38 mm		± 0.60 mm
On outside diameter		
≤ O.D. 52 mm		± 1.00 mm
> O.D. 52 mm		± 1.20 mm
Length tolerance		± 1 %

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH30515071/40	13	23	2.5	362.5	25	0.40	80	N
IH30515072/40	16	26	2.5	362.5	25	0.47	100	N
IH36520580/40	19	31	2.5	362.5	25	0.61	160	Y
IH36520581/40	25	38	2.5	362.5	25	0.83	200	Y
IH36520582/40	32	45	2.5	362.5	25	1.00	250	Y
IH36520583/40	38	52	2.5	362.5	25	1.27	320	Y
IH36520584/40	50	66	2.5	362.5	25	1.84	400	Y

ROBUR GPL

Liquid gas applications (methane, propane, LPG) in the loading and unloading of tankers and in the service stations.

Hose Construction

- Tube:** Low diffusion rate seamless extruded NBR rubber compound of uniform thickness.
- Reinforcement:** Two braids of high tensile steel wire
- Cover:** Black, SBR/CR rubber compound pin-pricked to prevent the formation of blisters, resistant to abrasion, oils, ozone and weathering



- Suitable for vacuum application
- Low permeability
- Pin-pricked cover
- Burst Pressure Value 10:1

Tolerances

Length tolerance $\pm 1\%$

Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

Part Number	Nominal Diameter		O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
	(mm)	(inch)		MPa	psi	bar			
IH36520560/0	6.5	¼	16.6	2.5	362.5	25	0.43	60	N
IH36520561/0	8	5/16	17.7	2.5	362.5	25	0.45	70	N
IH36520562/0	9.5	3/8	20.2	2.5	362.5	25	0.56	80	N
IH36520563/0	13	½	23.2	2.5	362.5	25	0.68	90	Y
IH36520564/0	16	5/8	26.5	2.5	362.5	25	0.80	95	Y
IH36520565/0	19	¾	30.5	2.5	362.5	25	1.03	100	Y
IH36520566/0	25	1	38.5	2.5	362.5	25	1.41	150	Y
IH36520567/0	32	1 ¼	45.6	2.5	362.5	25	1.82	200	Y
IH36520568/0	38	1 ½	52	2.5	362.5	25	2.00	280	Y
IH36520569/0	51	2	66.5	2.5	362.5	25	2.86	350	Y



JETCORD B ISO 1825

According to EN ISO 1825 type B

Designed for the ground refuelling of aircraft.

Hose Construction

Tube: Black, smooth, NBR rubber compound, resistant to aviation gasoline and jet fuels having an aromatic content not exceeding 50 %

Reinforcement: Synthetic textile fabrics, with built-in copper wire to ensure the electrical continuity

Cover: Black, CR rubber compound, resistant to mineral oil, fuels, abrasion, ozone and weathering

Temperature Range

-40 °C (-40 °F) to +70 °C (+158 °F)



- Customized length and assembly with safety clamps
- Suggested brass fitting to prevent sparks
- Supplied with test report
- Burst Pressure Value 4:1

Tolerances

According to EN ISO 1825

Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH36522850/0	25	39	2.0	300.0	20	0.93	150	N
IH36522851/0	32	46	2.0	300.0	20	1.12	187	N
IH36522852/0	38	52	2.0	300.0	20	1.31	225	N
IH36522853/0	50	67	2.0	300.0	20	2.04	275	N
IH36522854/0	63.5	80	2.0	300.0	20	2.5	300	N
IH36522856/0	75	92	2.0	300.0	20	2.9	300	N
IH36522855/0	100	122	2.0	300.0	20	5.02	450	N

JETCORD C ISO 1825

According to EN ISO 1825 type C

Designed for the ground refuelling of aircraft non-electrically bonded, but incorporating an antistatic cover compound.

Hose Construction

- Tube:** Black, smooth, NBR rubber compound, resistant to aviation gasoline and jet fuels having an aromatic content not exceeding 50 %
- Reinforcement:** Synthetic textile fabrics
- Cover:** Black, antistatic ($R > 10^3 < 10^6 \Omega/m$), CR rubber compound, resistant to mineral oil, fuels, abrasion, ozone and weathering

Temperature Range

-40 °C (-40 °F) to +70 °C (+158 °F)



- Customized length and assembly with safety clamps
- Suggested brass fitting to prevent sparks
- Supplied with test report
- Burst Pressure Value 4:1

Tolerances

According to EN ISO 1825

Refer to Technical Handbook on page TH34

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight	 min. Bend Radius	in Stock
			MPa	psi	bar			
IH36522897/0	25	39	2.0	300.0	20	0.90	150	N
IH36522898/0	32	46	2.0	300.0	20	1.10	187	N
IH36522899/0	38	52	2.0	300.0	20	1.28	225	N
IH36522900/0	50	67	2.0	300.0	20	2.01	275	N
IH36522901/0	63.5	80	2.0	300.0	20	2.47	300	N
IH36522902/0	75	92	2.0	300.0	20	2.87	300	N
IH36522903/0	100	122	2.0	300.0	20	5.00	450	N



JETCORD E ISO 1825

According to EN ISO 1825 type E

Designed for use in all operations associated with the ground refuelling and fuel discharging of aircraft with enhanced defuelling capability, electrically conducting and incorporating a wire helix reinforcement.

Hose Construction

- Tube:** Black, smooth, NBR rubber compound, resistant to aviation gasoline and jet fuels having an aromatic content not exceeding 50 %
- Reinforcement:** Synthetic textile fabrics and embedded wire helix
- Cover:** Black, CR rubber compound, resistant to mineral oil, fuels, abrasion, ozone and weathering



- Customized length and assembly with safety clamps
- Suggested brass fitting to prevent sparks
- Supplied with test report
- Burst Pressure Value 4:1
- Vacuum 0.85 bar

Tolerances

According to EN ISO 1825

Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +70 °C (+158 °F)

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH36522940/0	25	40	2.0	300.0	20	1.15	150	N
IH36522941/0	32	46	2.0	300.0	20	1.31	187	N
IH36522942/0	38	54	2.0	300.0	20	1.76	225	N
IH36522943/0	50	67	2.0	300.0	20	2.36	275	N
IH36522945/0	63.5	82	2.0	300.0	20	3.29	300	N
IH36522944/0	75	94	2.0	300.0	20	3.83	300	N
IH36522946/0	100	122	2.0	300.0	20	5.96	450	N

JETCORD F ISO 1825

According to EN ISO 1825 type F

Designed for use in all operations associated with the ground refuelling and fuel discharging of aircraft with enhanced defuelling capability, non-electrically conducting and incorporating a non-metallic helix reinforcement with an antistatic cover compound.

Hose Construction

- Tube:** Black, smooth, NBR rubber compound, resistant to aviation gasoline and jet fuels having an aromatic content not exceeding 50 %
- Reinforcement:** Synthetic textile fabrics and embedded nylon helix
- Cover:** Black, antistatic ($R > 10^3 < 10^6 \Omega/m$), CR rubber compound, resistant to mineral oil, fuels, abrasion, ozone and weathering



- Customized length and assembly with safety clamps
- Suggested brass fitting to prevent sparks
- Supplied with test report
- Burst Pressure Value 4:1
- Vacuum 0.65 bar

Tolerances

According to EN ISO 1825
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +70 °C (+158 °F)

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH36522926/0	25	41	2.0	300.0	20	1.26	150	N
IH36522927/0	32	52	2.0	300.0	20	1.67	187	N
IH36522928/0	38	58	2.0	300.0	20	1.90	225	N
IH36522929/0	50	70	2.0	300.0	20	2.45	275	N
IH36522930/0	63.5	83.5	2.0	300.0	20	3.03	300	N
IH36522931/0	75	98	2.0	300.0	20	3.98	300	N
IH36522932/0	100	127	2.0	300.0	20	6.07	450	N



JETCORD XT/C

According to API 1529

Designed for use in all operations associated with the ground refuelling of aircraft non-electrically bonded, but incorporating an antistatic cover compound.

Hose Construction

- Tube:** Black, smooth, NBR rubber compound, resistant to aviation fuels having an aromatic content not exceeding 50 %
- Reinforcement:** Synthetic textile fabrics
- Cover:** Black, antistatic ($R > 10^3 < 10^6 \Omega/m$), CR rubber compound, resistant to mineral oil, fuels, abrasion, ozone and weathering



- Customized length and assembly with safety clamps
- Suggested brass fitting to prevent sparks
- Supplied with test report
- Burst Pressure Value 4:1

Tolerances

According to API 1529

Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +70 °C (+158 °F)

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
IH36522802/0	25	38.5	2.0	300.0	20	0.90	125	N	
IH36522801/0	32	45.5	2.0	300.0	20	1.09	160	N	
IH36522803/0	38	51.5	2.0	300.0	20	1.28	190	N	
IH36522434/0	50	67	2.0	300.0	20	2.02	250	N	
IH36522435/0	63.5	80	2.0	300.0	20	2.48	310	N	
IH36522804/0	75	92	2.0	300.0	20	2.88	375	N	
IH36522800/0	100	122	2.0	300.0	20	5.01	500	N	



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Hose	ID Range (mm)	Temp. Range (°C)	Application
RADIOR 10	7 - 15	-30 / +100	cooling line system
E-Z FROM GS	10 - 50	-40 / +125	high flexible hose for coolant line system
RADIOR DIN 6	10 - 110	-40 / +125	cooling line system
AIRBRAKE DIN 74310	7 - 15	-40 / +70	breaking system
AIRBRAKE SAE J 1402-A	9.5 - 15.9	-40 / +93	breaking system
CARBOPRESS SAE J 30 R7 N/L	4 - 12.7	-40 / +125	car & motorbike fuel system
TBSE	4 - 10	-30 / +100	car & motorbike fuel system
TBE	3 - 7.5	-20 / +90	car & motorbike fuel system
AUTOGAS ECE 67/110 Class2	4 - 19	-25 / +120	LPG/ CNG engines
CARBOBLUE N/L 10	16 - 25	-40 / +100	nox reducing system
CARBOBLUE N/L 20	4 - 25	-40 / +100	nox reducing system
CARBOPRESS EN ISO 7840 A1	5 - 25	-20 / +100	boat fuel system
CARBOCORD EN ISO 7840 A1	38 - 50	-20 / +100	boat fuel system
CARBURITE EN ISO 7840 A1	19 - 60	-20 / +100	boat fuel system
SM/TR 311	19 - 150	-20 / +100	coolant line



	Tube	Reinforce- ment	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	EPDM	textile	EPDM	10	3			B4
	EPDM	textile	EPDM	5	4	yes	SAE J 20R2 - D1	B5
	EPDM	textile	EPDM	6	3			B6 - B7
	EPDM	textile	EPDM	10	4		DIN 74310	B8
	NBR/SBR	textile	CR	15	4		SAE J 1402-A	B9
	NBR	textile	CR	10	4		SAE 30 R7	B10
	NBR	textile	NBR/EPDM	10	3			B11
	NBR	textile		10	3			B12
	NBR	textile	CSM	4.5	4		ECE 67/110	B13
	EPDM	textile	EPDM	10	3			B14
	EPDM	textile	EPDM	20	3			B14
	NBR	textile	NBR/SBR	3.4	8		EN ISO 7840 A1	B15
	NBR	textile	NBR/SBR	2.5	8		EN ISO 7840 A1	B15
	NBR	textile	NBR/SBR	2.5	8	yes	EN ISO 7840 A1	B16
	NBR	textile	NBR/SBR	3	6.5	yes	EN ISO 7840 A1	B17



RADIOR 10

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

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

Temperature Range

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



- Specific for cooling system
- Also used in combination with Autogas ECE 67/110 in CNG/LPG engines
- Robust structure to avoid kinking
- Burst Pressure Value 3:1

Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight		 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m			
IH30114029/100	7	13	1.0	150.0	10	0.13	50	N	
IH30114030/50	15	23	1.0	150.0	10	0.35	90	Y	
IH30114030/100	15	23	1.0	150.0	10	0.35	90	Y	



E-Z FORM GS

Designed to handle air, coolant, mild chemicals and water. Extremely flexible, lightweight provides full suction capability and a path to conduct a static electrical charge to ground. The unique Greek cover corrugations provides minimal force-to-bend, superior kink resistance, and maximum flexibility for ease of handling, used where formed hose might normally be required.

Hose Construction

- Tube:** Black EPDM, antistatic rubber compound
- Reinforcement:** Multiple textile plies with wire helix
- Cover:** Black EPDM rubber compound resistant to weathering, greek corrugated finish



- Saves time and costs thanks to easy and quick assembly
- Superior kink resistance, minimal force to bend, outstanding flexibility
- Performance equal to SAE J20R2-D1
- Burst Pressure Value 4:1
- Vacuum: 0.9 bar

Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +125 °C (+257 °F)

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight	 min. Bend Radius	in Stock
			MPa	psi	bar			
IH73950500/10	13	23	0.5	75.0	5	0.33	35	Y
IH73950594/10	15	25	0.5	75.0	5	0.36	45	Y
IH73950625/10	16	26	0.5	75.0	5	0.39	45	N
IH73950750/10	19	29	0.5	75.0	5	0.46	50	Y
IH73951000/10	25	35	0.5	75.0	5	0.56	50	Y
IH73951125/10	29	38	0.5	75.0	5	0.62	65	Y
IH73951250/10	32	43	0.5	75.0	5	0.75	80	Y
IH73951375/10	35	46	0.5	75.0	5	0.79	95	Y
IH73951500/10	38	49	0.5	75.0	5	0.85	100	Y
IH73952000/10	51	63	0.5	75.0	5	1.44	150	Y
IH73952250/10	57	70	0.5	75.0	5	1.61	200	Y
IH73952375/10	60	73	0.5	75.0	5	1.64	210	Y
IH73952500/10	63.5	76.5	0.5	75.0	5	1.74	220	Y
IH73953000/10	76	90	0.5	75.0	5	2.23	270	Y
IH73954000/10	102	116	0.5	75.0	5	3.28	400	Y



RADIOR DIN 6 (COILS)

Designed for cooling systems of automotive engines and stationary engines and for refrigerant systems.

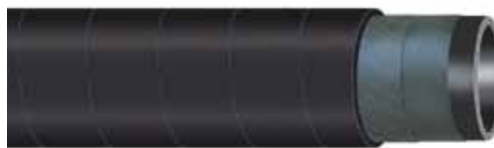
Hose Construction

- Tube:** Black, smooth, heat resistant EPDM rubber compound according to DIN 73411 - 1996*
- Reinforcement:** Synthetic textile fabrics yarns
- Cover:** Black, smooth, wrapped finish, heat, ageing and weather-resistant EPDM rubber compound according to DIN 73411 - 1996*

*The tube and the cover compounds are according to DIN 73411 - 1996 in the following principal areas: tensile, strength, density, hardness, laceration, swellings, aging and dry residue.

Temperature Range

-40 °C (-40 °F) to +125 °C (+257 °F)
with peaks to +140 °C (+284 °F)



- Compounds according to DIN 73411 for: tensile, strength, density, hardness, laceration, swellings, aging and dry residue
- Specific for cooling system at high temperature
- For Automotive and general industries application
- Burst Pressure Value 3:1

Tolerances

I.D. ≤ 25 mm

according to UNI EN ISO 1307

I.D. > 25 mm

according to RMA steel mandrel

Refer to Technical Handbook on page TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
IH30836101/40	10	17	0.6	90.0	6.0	0.17	—	Y	
IH30836103/40	13	20	0.6	90.0	6.0	0.21	—	Y	
IH30836104/40	15	22	0.6	90.0	6.0	0.23	—	Y	
IH30836105/40	16	23	0.6	90.0	6.0	0.25	—	Y	
IH30836106/40	18	25	0.6	90.0	6.0	0.27	—	Y	
IH30836107/40	20	27	0.6	90.0	6.0	0.30	—	Y	
IH30836108/40	22	29	0.6	90.0	6.0	0.33	—	Y	
IH30836109/40	25	34	0.6	90.0	6.0	0.48	—	Y	
IH36836110/40	28	36	0.6	90.0	6.0	0.52	—	Y	
IH36836111/40	30	38	0.6	90.0	6.0	0.55	—	Y	
IH36836112/40	32	40	0.6	90.0	6.0	0.58	—	Y	
IH36836113/40	35	43	0.6	90.0	6.0	0.63	—	Y	
IH36836114/40	38	48	0.6	90.0	6.0	0.88	—	Y	
IH36836115/40	40	50	0.6	90.0	6.0	0.92	—	Y	
IH36836116/40	42	52	0.6	90.0	6.0	0.96	—	N	
IH36836117/40	45	55	0.6	90.0	6.0	1.02	—	N	
IH36836119/40	50	60	0.6	90.0	6.0	1.11	—	Y	

RADIOR DIN – A – I.D. x TH – EPDM / P / EPDM – 6 bar – 125°C  (yellow ink x LL and yellow embossed x MM) Y/W (with traceability code)

RADIOR DIN 6 (CUT LENGTH)

Designed for cooling systems of automotive engines and stationary engines and for refrigerant systems.

Hose Construction

- Tube:** Black, smooth, heat resistant EPDM rubber compound according to DIN 73411 - 1996*
- Reinforcement:** Synthetic textile fabrics yarns
- Cover:** Black, smooth, wrapped finish, heat, ageing and weather-resistant EPDM rubber compound according to DIN 73411 - 1996*

*The tube and the cover compounds are according to DIN 73411 - 1996 in the following principal areas: tensile, strength, density, hardness, laceration, swellings, aging and dry residue.

Temperature Range

-40 °C (-40 °F) to +125 °C (+257 °F)
with peaks to +140 °C (+284 °F)



- Compounds according to DIN 73411 for: tensile, strength, density, hardness, laceration, swellings, aging and dry residue
- Specific for cooling system at high temperature
- For Automotive and general industries application
- Burst Pressure Value 3:1

Tolerances

I.D. ≤ 25 mm
according to UNI EN ISO 1307

I.D. > 25 mm
according to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number				Working Pressure				 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH30836108/1	22	29	0.6	90.0	6.0	0.33	—	N	
IH30836109/1	25	34	0.6	90.0	6.0	0.48	—	N	
IH36836111/1	30	38	0.6	90.0	6.0	0.55	—	N	
IH36836112/1	32	40	0.6	90.0	6.0	0.58	—	N	
IH36836114/1	38	48	0.6	90.0	6.0	0.88	—	N	



AIRBRAKE DIN 74310

According to DIN 74310

Widely used in automotive air brake systems.

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

Temperature Range

-40 °C (-40 °F) to + 70 °C (+158 °F)



- Recommended DIN 74304 and DIN 74325 fittings and DIN 3017 clamps
- Automotive application
- Nitrosamine free compounds
- Burst Pressure Value 4:1



Tolerances

According to DIN 74310

Refer to Technical Handbook on page TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
IH30315105/40	7	14	1.0	150.0	10	0.16	55	N	
IH30315103/40	9	16	1.0	150.0	10	0.19	65	N	
IH30315116/40	11	18	1.0	150.0	10	0.22	70	Y	
IH30315115/40	13	25	1.0	150.0	10	0.49	100	Y	
IH30315102/80*	15	25	1.0	150.0	10	0.44	115	N	

*Not complying the norm

AIRBRAKE SAE J 1402-A

According to SAE J 1402-A

Widely used in automotive air brake systems.

Hose Construction

Tube: Black, smooth, NBR/SBR rubber compound

Reinforcement: Synthetic textile yarns

Cover: Black, smooth, abrasion, ageing and weather-resistant CR rubber compound

Temperature Range

-40 °C (-40 °F) to + 93 °C (+200 °F)



- Tighter tolerances on ID and OD
- Automotive application
- Superior cover compound resistant to abrasion and weathering
- Burst Pressure Value 4:1

Tolerances

According to SAE J1402 – TABLE A
Refer to Technical Handbook on page TH34

Part Number	Nominal Diameter		O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
	(mm)	(inch)		MPa	psi	bar			
IH30315117/40	9.5	3/8	19	1.5	217.0	15	0.30	89	Y
IH30315119/40	12.7	1/2	22.2	1.5	217.0	15	0.37	102	Y
IH30315122/40	14.5	-	24.5	1.5	217.0	15	0.43	131	N
IH30315121/40	15.9	5/8	27	1.5	217.0	15	0.53	114	N



AUTOGAS ECE 67/110 CLASS 2

According to ECE 67 and 110 Class 2

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.

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



- Insulating cover and tube compounds
- Exceeds DIN 4815 Teil 4
- Available pre-formed on request
- Very low permeation values closed to zero
- Burst Pressure Value 4:1

Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH34

Temperature Range

-25 °C (-13 °F) to +120 °C (+ 248 °F)

Part Number				Working Pressure				Weight		min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m		mm			
IH30510060/50	4	10	0.45	65.0	4.5	0.09		35		Y	
IH30510027/50	5	10.5	0.45	65.0	4.5	0.09		40		Y	
IH30510062/50	6	13	0.45	65.0	4.5	0.14		50		Y	
IH30510064/50	10	17	0.45	65.0	4.5	0.20		80		Y	
IH30510065/50	12	19	0.45	65.0	4.5	0.23		100		Y	
IH30510066/50	14	22	0.45	65.0	4.5	0.30		115		Y	
IH30510067/50	16.5	24.5	0.45	65.0	4.5	0.34		135		Y	
IH30510069/50	19	27	0.45	65.0	4.5	0.39		150		Y	

CARBOPRESS SAE J 30 R7

According to SAE J 30 R7

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.

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



- Exceeds SAE J 30 R7 in WP
- Antistatic cover and tube compounds
- Suitable for B100 up to 70 °C
- Superior cover compound resistant to abrasion and weathering
- Burst Pressure Value 4:1

Tolerances

According to SAE J30 R7
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +125 °C (+257 °F)

Part Number				Working Pressure				 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH30872400/100	4	9.1	1.0	150.0	10	0.07	30	N	
IH30872401/100	4.8	10.3	1.0	150.0	10	0.09	40	N	
IH30872402/100	6.4	12.7	1.0	150.0	10	0.13	55	Y	
IH30872403/100	8	14.3	1.0	150.0	10	0.16	65	Y	
IH30872404/100	9.5	15.9	1.0	150.0	10	0.18	75	Y	
IH30872405/100	12.7	19.9	1.0	150.0	10	0.25	100	Y	



TBSE

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

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

Temperature Range

-30 °C (-22 °F) to +100 °C (+212 °F)



- Antistatic cover and tube compounds
- Low permeability
- Suitable for B20 and E100 up to 70 °C
- Available packaging in reels for display stand
- Burst Pressure Value 3:1

Tolerances

According to UNI EN ISO 1307

Refer to Technical Handbook on page TH34

Part Number				Working Pressure				min. Bend Radius mm	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m			
Coils									
IH30871001/100	4	9	1.0	150.0	10	0.07	30	Y	
IH30871011/100	5	10	1.0	150.0	10	0.08	40	Y	
IH30871021/100	6	13	1.0	150.0	10	0.14	55	Y	
IH30871031/100	7	13	1.0	150.0	10	0.13	55	Y	
IH30871041/100	7.5	14	1.0	150.0	10	0.15	65	Y	
IH30871051/100	10	16	1.0	150.0	10	0.17	75	Y	
Reels									
IH30871001/15-R90*	4	9	1.0	150.0	10	0.07	30	Y	
IH30871011/15-R90*	5	10	1.0	150.0	10	0.08	40	Y	
IH30871021/15-R90*	6	13	1.0	150.0	10	0.14	55	Y	
IH30871031/15-R90*	7	13	1.0	150.0	10	0.13	55	Y	
IH30871041/15-R90*	7.5	14	1.0	150.0	10	0.15	65	Y	
IH30871051/10-R60**	10	16	1.0	150.0	10	0.17	75	Y	

* box quantity = 6 x 15 m (reels)

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

ORIGINAL ECO 1 TBSE MADE IN ITALY





TBE

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

Hose Construction

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

Reinforcement/

Cover: High tensile polyester textile over-braid, resistant to abrasion, fuel, oil and weathering

Temperature Range

-20 °C (-4 °F) to +90 °C (+194 °F)



- Available in reels only
- Suitable for B20 and E100 up to 70 °C
- Designed for motorbike fuel supply
- Burst Pressure Value 3:1

Tolerances

On inside diameter: + 0 / - 0.5 mm

Length tolerance: ± 1 %

Part Number				Working Pressure				 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m			
IH11001300/15-R90*	3	7	1.0	150.0	10	0.04		30	Y
IH11001345/15-R90*	7.5	14.5	1.0	150.0	10	0.13		65	Y



CARBOBLUE N/L 10 - 20

Parker Global Product

Carboblue is specially designed for applications where there is a requirement for extracting NOx (nitrogen oxide and its mixtures that emit polluted substances into the environment during air combustion) and dramatically reducing exhaust gas from diesel engines. These objectives are included in European parameters EURO IV and EURO V.

Hose Construction

Tube: Black, smooth, antistatic
($R < 1 \text{ M}\Omega/\text{m}$) and sulphur free
EPDM rubber compound nitrosamine free with peroxide curing.

Extensive tests on tensile stress, cold bending, heat, and laceration resistance on compound in contact with the additive did not show alteration of its state. In addition, no contamination of the additive was present after 168 hours at the temperature of 70 °C.

Reinforcement: Synthetic textile fabrics
Cover: Black, smooth, antistatic
($R < 1 \text{ M}\Omega/\text{m}$), EPDM rubber compound nitrosamine free, ageing, heat and weather resistant



- Compatibility approved by Ad-Blue manufacturer
- Environmental friendly
- Nitrosamine free
- Available HW version to defrost and keep additive at the right temperature
- Burst Pressure Value 3:1



Temperature Range

-40 °C (-40 °F) +100 °C (+212 °F)
with peaks up to +120 °C (+248 °C)

Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH34

Part Number				Working Pressure				Weight		min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m		mm			
CARBOBLUE N/L 10											
IH30515030/100	16	23	1.0	150.0	10	0.27		100		N	
IH30515031/80	19	27	1.0	150.0	10	0.37		115		N	
IH30515032/50	25	36	1.0	150.0	10	0.68		150		N	
CARBOBLUE N/L 20											
IH30515042/100	4	10	2.0	300.0	20	0.08		30		N	
IH30515043/100	6	12	2.0	300.0	20	0.11		40		Y	
IH30515044/100	8	15	2.0	300.0	20	0.16		50		N	
IH30515045/100	10	17	2.0	300.0	20	0.19		60		Y	
IH30515046/100	13	20	2.0	300.0	20	0.23		80		Y	
IH30515040/80	16	26	2.0	300.0	20	0.43		100		Y	
IH30515041/80	19	30	2.0	300.0	20	0.56		115		N	
IH30515047/50	25	37	2.0	300.0	20	0.76		150		N	

CARBOPRESS EN ISO 7840 A1

CARBOCORD EN ISO 7840 A1

According to EN ISO 7840 A1

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

Hose Construction

Tube:	Black, smooth, antistatic (R < 1 MΩ/m), oil and fuel resistant NBR rubber compound
Reinforcement:	Synthetic textile yarns
Cover:	Black, smooth, antistatic (R < 1 MΩ/m), CR rubber compound resistant to abrasion, oil, fuel, weather and fire resistant



- Type approval by RINA and Lloyd's Register
- Suitable for small craft according to European Directive 94/25/EC
- Fire resistant fuel hose
- Burst Pressure Value 8:1

Tolerances

According to EN ISO 7840

Refer to Technical Handbook on page TH34

Temperature Range

-20 °C (-4 °F) to +100 °C (+212 °F)

Part Number				Working Pressure				Weight		min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm				
CARBOPRESS EN ISO 7840 A1											
IH30511049/100	5	15	0.34	49.3	3.4	0.22	30	N			
IH30511051/100	8	18	0.34	49.3	3.4	0.29	50	N			
IH30511057/100	10	20	0.34	49.3	3.4	0.32	60	Y			
IH30511053/80	12.5	22	0.34	49.3	3.4	0.37	75	N			
IH30511054/80	16	26	0.34	49.3	3.4	0.47	100	Y			
IH30511055/50	19	29	0.34	49.3	3.4	0.54	115	Y			
IH30511058/50	25	35	0.34	49.3	3.4	0.67	150	Y			
CARBOCORD EN ISO 7840 A1											
IH36521204/40*	38	50	0.25	36.25	2.5	1.10	380	Y			
IH36521207/40*	50	62	0.25	36.25	2.5	1.40	500	N			

*Mandrel Made production

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

RUBBER HOSE CARBOCORD EN ISO 7840 A1 CE Year MADE IN ITALY



CARBURITE EN ISO 7840 A1

According to EN ISO 7840 A1

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

Hose Construction

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



- Type approval by RINA and Lloyd's Register
- Suitable for small craft according to European Directive 94/25/EC
- Fire resistant fuel hose
- Burst Pressure Value 8:1
- Vacuum 0.9 bar

Temperature Range

-20 °C (-4 °F) to +100 °C (+212 °F)

Tolerances

According to EN ISO 7840

Refer to Technical Handbook on page TH34

Part Number				Working Pressure				Weight		min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm				
IH36531510/40	19	32	0.25	36.0	2.5	0.76	120	N			
IH36531511/40	25	39	0.25	36.0	2.5	1.08	150	N			
IH36531513/40	38	54	0.25	36.0	2.5	1.73	240	N			
IH36530515/40	50	66	0.25	36.0	2.5	2.18	300	N			



SM TR 311

According to EN ISO 7840 A1 and EN ISO 13363

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.

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



- Type approval by RINA and Lloyd's Register
- Designed for exhaust gas and refueling
- Suitable for craft according to European Directive 94/25/EC
- Fire resistant fuel hose
- Burst Pressure Value 6,5:1
- Vacuum 0.8 bar

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 $\pm 1 \%$

Note

Ondulated version on request

Temperature Range

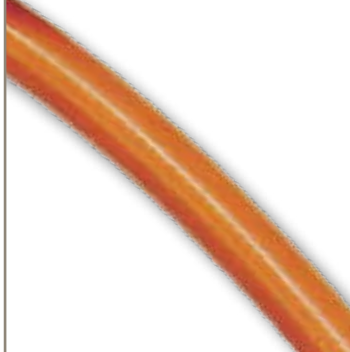
-20 °C (-4 °F) to +100 °C (+212 °F)

Part Number				Working Pressure				 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m			
IH36971005/40	19	29	0.3	43.5	3	0.63	120	Y	
IH36971006/40	25	35	0.3	43.5	3	0.77	150	Y	
IH36974109/40	32	42	0.3	43.5	3	0.94	190	Y	
IH36974107/40	38	48	0.3	43.5	3	1.09	230	Y	
IH36974111/40	45	55	0.3	43.5	3	1.26	270	Y	
IH36974112/40	50	60	0.3	43.5	3	1.41	300	Y	
IH36974114/40	63.5	73.5	0.3	43.5	3	1.85	380	Y	
IH36974115/20	76	86	0.3	43.5	3	2.29	455	Y	
IH36974116/20	90	100	0.3	43.5	3	2.67	540	Y	
IH36974117/20	102	113	0.3	43.5	3	3.24	610	Y	
IH36974119/20	125	139	0.3	43.5	3	5.02	750	N	
IH36974121/15*	150	171	0.3	43.5	3	10.00	900	N	

*Comply only 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





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



Air



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C – Air

Hose	ID Range (mm)	Temp. Range (°C)	Application
MINIERA 10	25 - 102	-30 / +80	compressed air, non aggressive liquids
MINIERA 20	19 - 100	-30 / +80	compressed air, non aggressive liquids
MINIERA 40	13 - 51	-40 / +100	mine & quarries for long lasting service
AIRTEMP 220	51 - 80	-40 / +220	hot air for compressors and pneumatic s
MASKPRESS EN 14594 Class B N/L 100	9.5	-30 / +80	breathing system
DIVER 100 EN 250 N/L	6.3 - 8	-30 / +80	breathing system



	Tube	Reinforce- ment	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	SBR	textile	SBR	10	3			C4
	SBR	textile	SBR	20	3			C5
	NBR	steel wire	SBR/CR	40	4			C6
sys.	EPR	textile	EPDM	10	3			C7
	NBR	textile	NBR	10	10		EN 14594 Class B	C8
	EPDM	textile	EPDM	35	4		EN250	C9



MINIERA 10

Suitable for compressed air tools (with minimal oil traces) in factories and designed for quarries, building and mining industries.

Hose Construction

- Tube:** Black, oil mist resistant, smooth SBR nitrosamine free rubber compound
- Reinforcement:** Synthetic textile fabrics
- Cover:** Black, abrasion, ageing and weather-resistant SBR nitrosamine free rubber compound

Temperature Range

-30 °C (-22 °F) to +80 °C (+176 °F)



- Also suitable for water and air in general service applications
- Nitrosamine free compounds
- Burst Pressure Value 3:1



Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number				Working Pressure				 min. Bend Radius mm	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m			
IH36342181/40	25	35	1.0	150.0	10	0.70	250	Y	
IH36342182/40	30	40	1.0	150.0	10	0.81	300	N	
IH36342184/40	35	45	1.0	150.0	10	0.92	350	Y	
IH36342185/40	40	50	1.0	150.0	10	1.02	400	Y	
IH36342186/40	45	55	1.0	150.0	10	1.14	450	N	
IH36342187/40	50	60	1.0	150.0	10	1.25	500	Y	
IH36342188/40	60	70	1.0	150.0	10	1.47	600	N	
IH36342189/20	70	80	1.0	150.0	10	1.68	700	N	
IH36342190/40	75	86	1.0	150.0	10	1.99	750	N	
IH36342190/20	75	86	1.0	150.0	10	1.99	750	N	
IH36342191/20	100	112	1.0	150.0	10	2.86	1000	N	
IH36342194/20	102	114	1.0	150.0	10	2.99	1020	N	



MINIERA 20

Suitable for compressed air tools in factories and designed for quarries, building and mining industries. Tube resistant to traces of oil mist for medium duty.

Hose Construction

Tube: Black, oil mist resistant, smooth SBR/NBR rubber compound

Reinforcement: Synthetic textile fabrics

Cover: Black, abrasion, ageing and weather-resistant SBR nitrosamine free rubber compound

Temperature Range

-30 °C (-22 °F) to +80 °C (+176 °F)



- Also suitable for water and air in general service applications
- Nitrosamine free compounds
- Burst Pressure Value 3:1



Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight	min. Bend Radius	in Stock
			MPa	psi	bar			
IH36341113/40	19	30	2.0	300.0	20	0.62	190	Y
IH36341110/40	25	37	2.0	300.0	20	0.81	250	N
IH36341149/40	30	42	2.0	300.0	20	0.98	300	N
IH36341111/40	32	46	2.0	300.0	20	1.24	320	Y
IH36341121/40	38	52	2.0	300.0	20	1.43	380	Y
IH36341120/40	40	56	2.0	300.0	20	1.73	400	N
IH36341109/40	45	61	2.0	300.0	20	1.91	450	N
IH36341114/40	50	66	2.0	300.0	20	2.08	500	Y
IH36341116/40	60	76	2.0	300.0	20	2.38	600	N
IH36341117/20	75	91	2.0	300.0	20	2.89	750	N
IH36341119/20	100	118	2.0	300.0	20	4.23	1000	N



MINIERA 40

Compressed air for mine and quarries, designed for long lasting service and maximum safety in heavy duty applications.

Hose Construction

Tube: Black, NBR rubber compound, oil resistant

Reinforcement: One special braid of steel wire

Cover: Black SBR/CR rubber compound, abrasion, oils, ozone and weather resistant



- Heavy duty application
- Specific for compressed air tools in mining
- Low temperature resistance
- Burst Pressure Value 4:1

Temperature Range

-40 °C (-40 °F) to +100 °C (+212 °F)

Tolerances

According to BS 5118/34310
Refer to Technical Handbook on page TH34

Part Number	Nominal Diameter		O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
	(mm)	(inch)		MPa	psi	bar			
IH36348001/40	13	½	23	4.0	580.0	40	0.55	150	N
IH36348002/40	19	¾	30	4.0	580.0	40	0.77	230	N
IH36348003/40	25	1	38	4.0	580.0	40	1.06	300	N
IH36348004/40	32	1 ¼	46	4.0	580.0	40	1.45	380	N
IH36348005/40	38	1 ½	52	4.0	580.0	40	1.80	455	N
IH36348000/40	51	2	66	4.0	580.0	40	2.30	600	N

AIRTEMP 220

Hot air delivery hose designed for compressors and pneumatic systems like flexible connection between motor blower and road tanker used for dry pellets, abrasive powders and granular material transport.

Hose Construction

- Tube:** Black, smooth, insulating, EPR rubber compound with very good resistance to high temperature
- Reinforcement:** Synthetic textile fabrics yarns
- Cover:** Black (N), smooth, insulating, wrapped finish EPDM rubber compound, resistant to heat, abrasion, ozone and weather



- Wide temperature range
- Insulating hose
- Could be complementary to CERGOM
- Burst Pressure Value 3:1

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +220 °C (+435 °F)
with peaks to +240 °C (+465 °F)

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight	min. Bend Radius	in Stock
			MPa	psi	bar			
IH36346010/40	51	69	1.0	150.0	10.0	1.85	350	N
IH36346011/40	60	78	1.0	150.0	10.0	2.13	420	N
IH36346012/20	65	83	1.0	150.0	10.0	2.40	455	N
IH36346013/20	75	93	1.0	150.0	10.0	2.62	550	N
IH36346014/20	80	98	1.0	150.0	10.0	2.65	600	N



MASKPRESS EN 14594 CLASS B

According to EN 14594 Class B

Flexible hose designed for air supply in breathing devices for fire-fighting operations. Meets the requirements of UNI EN 14594 (points 6,12 - 6,13 relevant to hose without fittings).

Hose Construction

- Tube:** Black, NBR rubber compound. Heat, ageing and air resistant
- Reinforcement:** Synthetic textile yarns
- Cover:** Black, smooth NBR rubber compound, resistant to abrasion, sea water, heat and weathering

Temperature Range

-30 °C (-22 °F) to +80 °C (+176 °F)



- Tube compound vanilla flavor
- For assembly operation refer to the norm
- Suitable also for industrial safety
- Burst Pressure Value 10:1

Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH30310128/100	9.5	19	1.0	150.0	10	0.33	60	Y

DIVER 100 EN 250

According to EN 250

Flexible hose for air supply in scuba diving systems. Designed to exceed the UNI EN 250 standard requirements (point 5,7) flexible hoses for medium pressure, related to tests on loose hoses (not assembled). Hose certified.

Hose Construction

- Tube:** Black, smooth, heat and ageing resistant EPDM nitrosamine free rubber compound
- Reinforcement:** Synthetic textile yarns
- Cover:** Black, smooth EPDM nitrosamine free rubber compound, resistant to abrasion, sea water, heat and weathering



- Tube compound vanilla flavor
- Nitrosamine free compounds
- For assembly operation refer to the norm
- Burst Pressure Value 4:1



Tolerances

According to EN 250

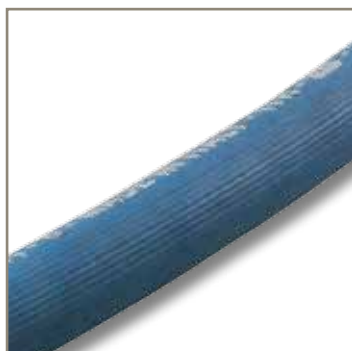
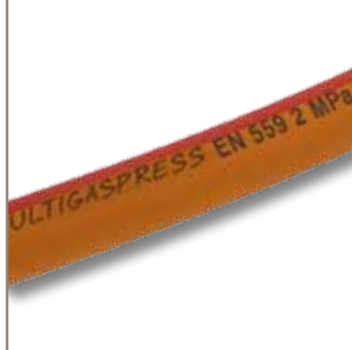
Refer to Technical Handbook on page TH34

Temperature Range

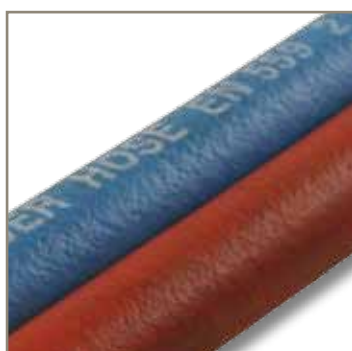
-30 °C (-22 °F) to +80 °C (+176 °F)

Part Number	I.D. (mm)	O.D. (mm)		Working Pressure			Weight	min. Bend Radius	in Stock
				MPa	psi	bar		mm	
IH30310133/100	6.3	12.3		3.5	510.0	35	0.12	60	N
IH30310126/100	7.3	13.7		3.5	510.0	35	0.15	75	N
IH30310124/80	8	14		3.5	510.0	35	0.14	80	N

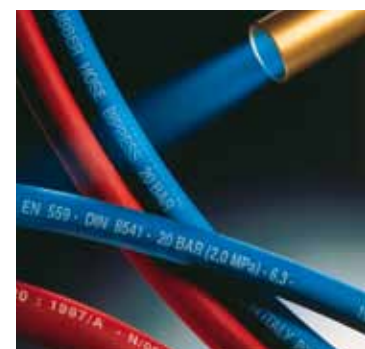
WARNING – DO NOT EXCEED 510 psi (35 bar) – HIGHER psi (bar) MAY CAUSE DAMAGE OR PERSONAL INJURY – MEDIUM PRESSURE



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



Gas



ENGINEERING YOUR SUCCESS.



D – Gas

Hose	ID Range (mm)	Temp. Range (°C)	Application
AUTOGENE EN ISO 3821 NR/L – NB/L 20	6.3 - 10	-25 / +80	welding process
BIPRESS EN ISO 3821 B-R/L 20	6.3 - 10	-25 / +80	welding process
INERPRESS EN ISO 3821 N/L 20	6.3 - 10	-25 / +80	inert gas delivery
PROPANPRESS EN ISO 3821 N/L 20	6.3 - 10	-30 / +70	propan gas delivery
MULTIGASPRESS EN ISO 3821 NRA/L 20	6.3 - 16	-25 / +70	various gas delivery
CARBO G NW/L 10 – NB/R 10	8 - 13	-20 / +90	household appliances



	Tube	Reinforce- ment	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	SBR	textile	SBR/EPDM	20	3		EN ISO 3821	D4
	SBR	textile	SBR/EPDM	20	3		EN ISO 3821	D5
	NBR	textile	SBR/EPDM	20	3		EN ISO 3821	D6
	NBR	textile	NBR/PVC	20	3		EN ISO 3821	D7
	NBR	textile	NBR/PVC	20	3		EN ISO 3821	D8
	NBR	textile	SBR/EPDM	10	3		UNI CIG 7140	D9



AUTOGENE EN ISO 3821 NR/L – NB/L 20

According to EN ISO 3821

Designed for delivery of welding and allied process gases.

Hose Construction

Tube: Black, smooth SBR rubber compound, resistant to Welding Gases and not suitable for LPG, good resistance to ignition

Reinforcement: Synthetic textile yarns

Cover: Smooth (/L) or ribbed (/R), red (NR) or blue (NB), SBR/EPDM rubber compound resistant to abrasion, ageing, hot surfaces and incandescent particles



- For welding in industrial and domestic application
- Colored cover following specs indication: Red for Acetylene and Blue for Oxygen
- Exceeds the standard on backfire test
- Excellent flexibility
- Burst Pressure Value 3:1

Tolerances

According to EN ISO 3821

Refer to Technical Handbook on page TH34

Temperature Range

-25 °C (-13 °F) to +80 °C (+176 °F)

Part Number				Working Pressure				Weight		min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm				
AUTOGENE EN ISO 3821 NR/L 20											
IH30412803/40	6.3	13.3	2.0	300.0	20	0.15	40	Y			
IH30412914/100	8	15	2.0	300.0	20	0.17	40	Y			
IH30412716/40	9	16	2.0	300.0	20	0.19	45	Y			
IH30412716/100	9	16	2.0	300.0	20	0.19	45	Y			
IH30413221/40	10	17	2.0	300.0	20	0.20	50	Y			
IH30413221/100	10	17	2.0	300.0	20	0.20	50	Y			
AUTOGENE EN ISO 3821 NB/L 20											
IH30412703/40	6.3	13.3	2.0	300.0	20	0.15	40	Y			
IH30412706/40	6.3	16.3	2.0	300.0	20	0.25	40	N			
IH30412915/100	8	15	2.0	300.0	20	0.17	40	Y			
IH30412707/40	9	16	2.0	300.0	20	0.19	45	Y			
IH30413220/40	10	17	2.0	300.0	20	0.20	50	Y			

IMPORTANT!

Welding applications can be hazardous. Please take all the necessary safety precautions.

RUBBER HOSE – EN ISO 3821 – 2 MPa (20 bar) – I.D. MADE IN ITALY (Year with traceability code)



RUBBER HOSE – EN ISO 3821 – 2 MPa (20 bar) – I.D. MADE IN ITALY (Year with traceability code)





BIPRESS EN ISO 3821 B-R/L 20

According to EN ISO 3821

A dual line hose designed for Welding Gas equipment, cutting and allied processes.

Hose Construction

Tube: Black, smooth SBR rubber compound, resistant to Welding Gases
Reinforcement: Synthetic textile yarns
Cover: Red and blue, ageing and abrasion-resistant, smooth SBR/EPDM rubber compound

Temperature Range

-25 °C (-13 °F) to +80 °C (+176 °F)



- For welding in industrial and domestic application
- Colored cover following specs indication: Red for Acetylene and Blue for Oxygen
- Exceeds the standard on backfire test
- Excellent flexibility
- Burst Pressure Value 3:1

Tolerances

According to EN ISO 3821

Refer to Technical Handbook on page TH34

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight	 min. Bend Radius	in Stock
			MPa	psi	bar			
IH30401107/40	6.3+6.3	13	2.0	300.0	20	0.29	–	Y
IH30401106/40	6.3+9	16	2.0	300.0	20	0.43	–	Y
IH30401108/100	8+8	15	2.0	300.0	20	0.34	–	Y
IH30401111/40	9+9	16	2.0	300.0	20	0.38	–	Y
IH30401112/100	10+10	17	2.0	300.0	20	0.46	–	N

IMPORTANT!

Welding applications can be hazardous. Please take all the necessary safety precautions.

RUBBER HOSE – EN ISO 3821 – 2 MPa (20 bar) – I.D. MADE IN ITALY (Year with traceability code)



RUBBER HOSE – EN ISO 3821 – 2 MPa (20 bar) – I.D. MADE IN ITALY (Year with traceability code)





INERPRESS EN ISO 3821 N/L 20

According to EN ISO 3821

Designed for delivery of inert gases.

Hose Construction

- Tube:** Black, smooth SBR rubber compound, resistant to inert gases. Not suitable for LPG
- Reinforcement:** Synthetic textile yarns
- Cover:** Smooth (/L), SBR/EPDM rubber compound resistant to abrasion, ageing

Temperature Range

-25 °C (-13 °F) to +80 °C (+176 °F)



- For handling inert and noble gas
- Black cover following specs indication
- Excellent flexibility
- Burst Pressure Value 3:1

Tolerances

According to EN ISO 3821
Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH30412940/40	6.3	13.3	2.0	300.0	20	0.17	40	Y
IH30413603/80	8	15	2.0	300.0	20	0.17	40	Y
IH30412941/40	10	17	2.0	300.0	20	0.20	50	Y



PROPANPRESS EN ISO 3821 N/L 20

According to EN ISO 3821

Suitable for LPG in industrial applications.

Hose Construction

- Tube:** Black, LPG resistant smooth NBR rubber compound
- Reinforcement:** Synthetic textile yarns
- Cover:** Orange, smooth PVC/NBR rubber compound resistant to ageing and weathering, pin-pricked cover to prevent blisters during use



- Pin-pricked cover
- Low permeation
- Orange cover following specs indication
- Flexible hose for easy handling
- Burst Pressure Value 3:1

Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

Tolerances

According to EN ISO 3821

Refer to Technical Handbook on page TH34

Part Number	 I.D. (mm)	 O.D. (mm)		Working Pressure			 Weight	 min. Bend Radius	in Stock
				MPa	psi	bar	kg/m	mm	
IH30413456/100	6.3	13.3		2.0	300.0	20	0.16	50	Y
IH30413457/100	8	15		2.0	300.0	20	0.18	65	Y
IH30413459/100	8.5	16		2.0	300.0	20	0.21	70	Y
IH30413458/100	10	17		2.0	300.0	20	0.22	80	Y



MULTIGASPRESS EN ISO 3821 NRA/L 20

According to EN ISO 3821

Suitable for all fuel gases included in the EN ISO 3821 Norm (except fluxed fuel gases) like: acetylene, LPG, MPS, natural gas, methane.

Hose Construction

- Tube:** Black, smooth NBR rubber compound suitable for all fuel gases included in the EN ISO 3821 Norm except fluxed fuel gases
- Reinforcement:** Synthetic textile yarns
- Cover:** Red/orange, PVC/NBR, smooth rubber compound. Resistant to ageing, weathering, pin-pricked cover to prevent blisters during use

Temperature Range

-25 °C (-13 °F) to +70 °C (+158 °F)



- Pin-pricked cover
- Low permeation
- Dual colored cover following specs indication
- Flexible hose for easy handling
- Burst Pressure Value 3:1

Tolerances

According to EN ISO 3821
Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH30412960/40	6.3	13.3	2.0	300.0	20	0.17	50	N
IH30412962/40	9	16	2.0	300.0	20	0.21	70	N
IH30412964/40	12.5	22.5	2.0	300.0	20	0.41	105	N
IH30412965/40	16	25	2.0	300.0	20	0.44	150	N



CARBO G NW/L 10 – NB/R 10

According to UNI 7140

Connection of household appliances to the gas line (NW/L) or to LPG bottles (NB/R).

Hose Construction

Tube: Black, smooth NBR rubber compound, suitable for Domestic Gas

Reinforcement: Synthetic textile yarns

Cover: White (NW) or blue (NB), ageing-resistant, smooth (/L) or ribbed (/R) SBR/EPDM rubber compound

Temperature Range

-20 °C (-4 °F) to +90 °C (+194 °F)



- Quarterly tested by IMQ (Italian Institute of Quality Approval)
- Low permeability
- Superior tensile strength
- White smooth cover for indoor and blue ribbed cover for outdoor
- Burst Pressure Value 3:1

Tolerances

According to UNI 7140

Refer to Technical Handbook on page TH34

Part Number				Working Pressure				min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m			
CARBO G NB/R 10									
IH30551594/100	8	13	1.0	150.0	10	0.13	33		Y
CARBO G NW/L 10									
IH30551600/100	13	20	1.0	150.0	10	0.29	51		Y

CARBO G UNI 7140 – I.D. – IMQ – DA SOSTITUIRE ENTRO IL ... - MADE IN ITALY



CARBO G UNI 7140 – I.D. – IMQ – DA SOSTITUIRE ENTRO IL ... - MADE IN ITALY

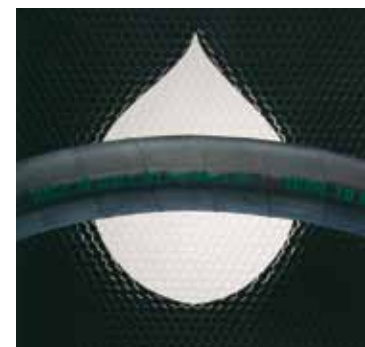




aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Water



ENGINEERING YOUR SUCCESS.



E – Water

Hose	ID Range (mm)	Temp. Range (°C)	Application
FUCINO 10	25 - 100	-30 / +80	water, non aggressive liquids
FUCINO 20	50 - 120	-30 / +80	water, non aggressive liquids
PRESSCORD N/R 10	8 - 25	-30 / +80	water, non aggressive liquids
IDRO 10	25 - 110	-30 / +80	water, non aggressive liquids
BEVERA 10	19 - 203	-30 / +80	water, non aggressive liquids
IR Irrigation PU Hose	51 - 150	-40 / +80	irrigation and water transfert
APEERFLAT MB	25 - 200	-15 / +60	water, non aggressive liquids
MULTIREX	19 - 150	-10 / +60	water, non aggressive liquids



	Tube	Reinforce- ment	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	SBR	textile	SBR	10	3			E4
	SBR	textile	SBR	20	3			E4
	SBR	textile	SBR/EPDM	10	3			E5
	SBR	textile	SBR	10	3			E6
	SBR	textile	SBR	10	3	yes		E7
	PU	textile	PU	20	2			E8
	PVC	textile	PVC	8	4			E9
	PVC	PVC wire	PVC	7	3	yes		E10



FUCINO 10 - 20

Suitable for a variety of industrial applications, where a flexible and lightweight discharge hose for water and non-aggressive liquids are required. Specifically designed for irrigation equipment and submersible pumps.

Hose Construction

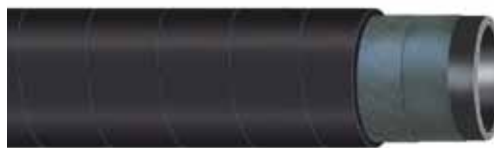
Tube: Black, smooth SBR nitrosamine free rubber compound

Reinforcement: Synthetic textile fabrics

Cover: Black, abrasion, ageing and weather-resistant SBR nitrosamine free rubber compound

Temperature Range

-30 °C (-22 °F) to +80 °C (+176 °F)



- Can be rolled flat for easy transport and storage
- Resistant to Ozone and weathering
- Available in two different pressure rates
- Nitrosamine free 
- Burst Pressure Value 3:1

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
FUCINO 10									
IH36203251/40	25	31	1.0	150.0	10	0.38	—	Y	
IH36203253/40	32	38	1.0	150.0	10	0.47	—	N	
IH36203240/40	38	45	1.0	150.0	10	0.65	—	N	
IH36203255/40	40	47	1.0	150.0	10	0.68	—	Y	
IH36203256/40	45	52	1.0	150.0	10	0.75	—	Y	
IH36203257/40	50	57	1.0	150.0	10	0.83	—	Y	
IH36203258/40	60	67	1.0	150.0	10	0.99	—	Y	
IH36203263/20	100	108	1.0	150.0	10	1.78	—	Y	
FUCINO 20									
IH36203276/40	50	58	2.0	300.0	20	0.94	—	Y	
IH36203278/40	60	68	2.0	300.0	20	1.10	—	Y	
IH36203279/20	75	86	2.0	300.0	20	1.92	—	N	
IH36203280/20	80	91	2.0	300.0	20	2.05	—	Y	
IH36203281/20	90	103	2.0	300.0	20	2.68	—	N	
IH36203282/20	100	113	2.0	300.0	20	2.97	—	Y	
IH36203283/20	120	133	2.0	300.0	20	3.52	—	Y	



PRESCORD N/R - 10

Suitable for discharge of water and non-aggressive liquids in many industrial and agricultural applications.

Hose Construction

Tube: Black, smooth SBR nitrosamine free rubber compound

Reinforcement: Synthetic textile yarns

Cover: Black (N), ribbed (/R), abrasion, ageing and weather-resistant, SBR/EPDM nitrosamine free rubber compound



- Resistant to Ozone and weathering
- Nitrosamine free
- Ribbed cover for better flexibility and grip
- Burst Pressure Value 3:1



Temperature Range

-30 °C (-22 °F) to +80 °C (+176 °F)

Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight	min. Bend Radius	in Stock
			MPa	psi	bar			
IH30116062/100	8	15	1.0	150.0	10	0.19	50	Y
IH30116063/100	10	17	1.0	150.0	10	0.22	60	Y
IH30112103/100	12	19	1.0	150.0	10	0.26	70	Y
IH30112139/100	15	21	1.0	150.0	10	0.25	90	Y
IH30112136/50	18	26	1.0	150.0	10	0.42	110	Y
IH30112138/50	20	30	1.0	150.0	10	0.59	120	Y
IH30112134/50	25	35	1.0	150.0	10	0.71	150	Y



IDRO 10

Suitable for discharge of water and non-aggressive liquids, for agricultural uses, also in industrial facilities and on building sites.

Hose Construction

Tube: Black, smooth SBR nitrosamine free rubber compound

Reinforcement: Synthetic textile fabrics

Cover: Black: abrasion, ageing and weather-resistant SBR nitrosamine free rubber compound



- Robust construction
- Resistant to twisting
- Nitrosamine free
- Burst Pressure Value 3:1



Temperature Range

-30 °C (-22 °F) to +80 °C (+176 °F)

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight		 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH36203000/40	25	34	1.0	150.0	10	0.63	250	Y	
IH36203002/40	30	41	1.0	150.0	10	0.92	300	Y	
IH36203003/40	32	44	1.0	150.0	10	1.07	320	Y	
IH36203004/40	35	48	1.0	150.0	10	1.26	350	Y	
IH36203005/40	38	52	1.0	150.0	10	1.46	380	Y	
IH36203006/40	40	54	1.0	150.0	10	1.52	400	Y	
IH36203008/40	45	61	1.0	150.0	10	2.00	450	Y	
IH36203010/40	50	68	1.0	150.0	10	2.49	500	Y	
IH36203011/40	60	82	1.0	150.0	10	3.63	600	Y	
IH36203103/20	75	91	1.0	150.0	10	2.95	750	Y	
IH36203105/20	90	104	1.0	150.0	10	3.10	900	N	
IH36203017/20	100	125	1.0	150.0	10	6.33	1000	N	
IH36203107/20	110	125	1.0	150.0	10	4.01	1100	N	



BEVERA 10

Suction and delivery of water and non-aggressive liquids. It is recommended for loading and discharge of storage tanks, tankers, for irrigation and for all applications where a flexible and easy to handle hose is required.

Hose Construction

- Tube:** Black, smooth SBR nitrosamine free rubber compound
- Reinforcement:** Synthetic textile fabrics and embedded steel wire helix
- Cover:** Black, abrasion, ageing and weather-resistant SBR nitrosamine free rubber compound

Temperature Range

-30 °C (-22° F) to +80 °C (+176 °F)



- Robust construction
- Resistant to twisting
- Nitrosamine free
- Vacuum 0.8 bar (600 mm Hg)
- Burst Pressure Value 3:1



Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH36214045/40	19	29	1.0	150.0	10	0.67	110	Y
IH36214050/40	25	35	1.0	150.0	10	0.83	150	Y
IH36214051/40	30	40	1.0	150.0	10	0.95	180	Y
IH36214052/40	32	42	1.0	150.0	10	1.01	190	Y
IH36214054/40	38	48	1.0	150.0	10	1.16	230	Y
IH36214055/40	40	50	1.0	150.0	10	1.21	240	Y
IH36214058/40	50	60	1.0	150.0	10	1.50	300	Y
IH36214060/40	60	71	1.0	150.0	10	1.94	360	Y
IH36214063/20	70	81.5	1.0	150.0	10	2.59	420	N
IH36214064/20	75	86.5	1.0	150.0	10	2.75	450	Y
IH36214066/20	80	92.5	1.0	150.0	10	3.02	480	Y
IH36214067/20	90	103.5	1.0	150.0	10	3.66	540	N
IH36214068/20	100	114	1.0	150.0	10	3.98	600	Y
IH36214070/20	110	124	1.0	150.0	10	4.34	660	N
IH36214071/20	120	134	1.0	150.0	10	4.73	720	N
IH36211010/20	125	140	1.0	150.0	10	5.66	750	Y
IH36211050/10	150	170	1.0	150.0	10	7.73	900	N
IH36211032/6	203	225	1.0	150.0	10	15.00	1210	N



IR IRRIGATION PU HOSE

A standard duty irrigation hose for water discharge and transfer in agricultural applications.

Hose Construction

Polyurethane extruded through one woven polyester ply of reinforcement

Temperature Range

-40 °C (-40 °F) to +80 °C (+176 °F)



- Much easier to couple, install and remove than polyethylene pipe
- High performing polymer preserve from fluid contamination
- Excellent resistance to abrasion
- Burst Pressure Value 2:1

Part Number	Nominal Diameter		Wall (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
	(mm)	(inch)		MPa	psi	bar			
IR20X200MB	51	2	2.30	3.1	450.0	31	0.41	–	N
IR25X200MB	63.5	2 ½	2.30	3.1	450.0	31	0.58	–	N
IR30X200MB	76	3	3.30	2.4	350.0	24	0.75	–	Y
IR35X200MB	90	3 ½	3.30	1.7	250.0	17	0.97	–	Y
IR40X200MB	102	4	3.30	1.7	250.0	17	1.14	–	Y
IR45X200MB	114	4 ½	3.30	1.7	250.0	17	1.25	–	Y
IR50X200MB	127	5	3.30	1.7	250.0	17	1.42	–	Y
IR60X200MB	152	6	3.05	2.0	300.0	20	1.72	–	Y



APERFLAT MB

Medium-duty, flat wrappable hose occupying a minimum amount of space, suitable for delivery under pressure of water and non-aggressive liquids in agriculture, in the building industry, in mining and in industry in general.

Hose Construction

Tube: Black, smooth PVC
Reinforcement: Synthetic textile yarns
Cover: Blue, highly abrasion and weather-resistant smooth PVC

Temperature Range

-15 °C (+5 °F) to +60 °C (+140 °F)



- Lay flat hose
- Cheaper alternative to PU for less demanding application
- Burst Pressure Value 3:1

Tolerances

Refer to Technical Handbook on page TH34

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH35653025/100	25	—	0.8	116.0	8	0.17	—	Y
IH35653032/100	32	—	0.8	116.0	8	0.21	—	Y
IH35653038/100	38	—	0.8	116.0	8	0.25	—	Y
IH35653040/100	40	—	0.8	116.0	8	0.26	—	Y
IH35653045/100	45	—	0.8	116.0	8	0.29	—	N
IH35653051/100	51	—	0.8	116.0	8	0.37	—	Y
IH35653063/100	63.5	—	0.8	116.0	8	0.46	—	Y
IH35653075/100	75	—	0.8	116.0	8	0.55	—	N
IH35653100/100	100	—	0.8	116.0	8	0.83	—	Y
IH35653150/100	150	—	0.3	43.5	3	1.25	—	Y
IH35653200/50	200	—	0.3	43.5	3	1.93	—	Y



MULTIREX

For suction and delivery of water for irrigation, liquid fertilisers and general industrial uses.

Hose Construction

Flexible hose having an off-white, rigid PVC spiral embedded in a transparent green, flexible PVC wall

Temperature Range

-10 °C (+14 °F) to +60 °C (+140 °F)



- Multipurpose hose
- Very flexible hose
- Vacuum 0.7 bar for ID up to 50 mm then 0.6 bar
- Burst Pressure Value 3:1

Tolerances

Refer to Technical Handbook on page TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	Wall (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
IH35602019/50	19	3.0	0.7	101.5	7	0.20	60	Y	
IH35600025/50	25	3.0	0.7	101.5	7	0.29	90	Y	
IH35600030/50	30	3.1	0.6	87.0	6	0.35	90	Y	
IH35602032/50	32	3.2	0.6	87.0	6	0.37	95	Y	
IH35600035/50	35	3.5	0.6	87.0	6	0.43	105	N	
IH35602038/50	38	3.6	0.6	87.0	6	0.49	115	Y	
IH35600040/50	40	3.7	0.6	87.0	6	0.51	120	Y	
IH35600045/50	45	4.0	0.5	72.5	5	0.57	135	Y	
IH35600050/50	50	4.0	0.5	72.5	5	0.73	150	Y	
IH35600060/50	60	4.2	0.5	72.5	5	0.96	180	Y	
IH35600070/50	70	4.5	0.4	58.0	4	1.23	315	N	
IH35602075/50	75	4.6	0.4	58.0	4	1.47	340	Y	
IH35600080/50	80	4.7	0.4	58.0	4	1.57	360	Y	
IH35602090/25	90	4.8	0.4	58.0	4	1.92	415	N	
IH35600100/25	100	5.0	0.4	58.0	4	2.11	450	Y	
IH35602110/25	110	5.4	0.4	58.0	4	2.56	500	N	
IH35600120/25	120	5.8	0.4	58.0	4	2.69	540	N	
IH35600150/25	150	6.5	0.3	43.5	3	3.85	675	N	

MULTIREX DIAM I.D. mm PARKER



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



Hot water & Steam



ENGINEERING YOUR SUCCESS.



F – Hot water & Steam

Hose	ID Range (mm)	Temp. Range (°C)	Application
RADIOR 3	10 - 100	-40 / +100	cooling line system
RADIOR K 1003	12 - 65	-40 / +100	cooling line system
THERMOPRESS 10	12 - 60	-40 / +100	cooling line and hot water
INGLAS 30	10 - 85	-10 / +120	foudries cooling system
VAPORE 164 EN ISO 6134 Type 1/A	10 - 51	-40 / +164	steam industrial application
VIGOR EN ISO 6134 Type 2/A	13 - 51	-40 / +210	steam industrial application
VIGOR NR EN ISO 6134 Type 2/A	13 - 51	-40 / +210	steam industrial application

WARNING!

Steam hoses gradually decrease in performance during service life. Consequently, they need to be regularly inspected by trained personnel wearing adequate protective overalls, including eye protection.

Cuts and gouges in the hose cover showing the textile reinforcement. Steam leaks. Permanent deformation of hose. Reduction of steam flow. WHEN ONE OF THESE ABNORMALITIES OCCURS, THE HOSE SHOULD BE REMOVED FROM SERVICE AND INSPECTED. If a failure occurs close to the couplings, the damaged hose can be cut, reconnected and used as before.

Use only couplings with safety clamps. Follow the coupling manufacturer's instructions for coupling procedures. Check coupling tightness each time before use. Drain after use. When not in use, store the hose on a flat surface (shelves) and never hang from a hook.



	Tube	Reinforce- ment	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	EPDM	textile	EPDM	3	3			F4 - F5
	NBR	textile	CR	5	3			F6
	EPDM	textile	EPDM	10	4			F7
	EPDM	textile	EPDM	10	3			F8
	EPM	textile	EPDM	6	10		EN ISO 6134 Type 1/A	F9
	IIR	textile	IIR/EPDM	18	10		EN ISO 6134 Type 2/A	F10
	IIR	textile	IIR/EPDM	18	10		EN ISO 6134 Type 2/A	F10



RADIOR 3 (COIL)

Designed for cooling systems of automotive engines and stationary engines.

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



- Light and flexible hose
- Also suitable as cable protection
- Nitrosamine free
- Burst Pressure Value 3:1



Temperature Range

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

Tolerances

I.D. ≤ 22 mm according to UNI EN ISO 1307

I.D. > 22 mm according to RMA steel mandrel

Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar			
IH36830095/40	10	16	0.3	43.5	3	0.16	—	Y
IH36830096/40	12	18	0.3	43.5	3	0.19	—	Y
IH36830097/40	15	21	0.3	43.5	3	0.23	—	Y
IH36830101/40	18	24.5	0.3	43.5	3	0.29	—	Y
IH36830102/40	20	26.5	0.3	43.5	3	0.32	—	Y
IH36830103/40	22	28.5	0.3	43.5	3	0.34	—	Y
IH36830104/40	25	32	0.3	43.5	3	0.39	—	Y
IH36830105/40	28	36	0.3	43.5	3	0.50	—	Y
IH36830106/40	30	38	0.3	43.5	3	0.53	—	Y
IH36830107/40	32	40	0.3	43.5	3	0.55	—	Y
IH36830108/40	35	43	0.3	43.5	3	0.60	—	Y
IH36830109/40	38	47	0.3	43.5	3	0.73	—	Y
IH36830110/40	40	49	0.3	43.5	3	0.77	—	Y
IH36830111/40	42	51	0.3	43.5	3	0.80	—	Y
IH36830112/40	45	54	0.3	43.5	3	0.85	—	Y
IH36831023/40	48	57	0.3	43.5	3	0.91	—	Y
IH36830113/40	50	60	0.3	43.5	3	1.07	—	Y
IH36830114/40	55	65	0.3	43.5	3	1.17	—	Y
IH36830115/40	60	70	0.3	43.5	3	1.26	—	Y
IH36830116/20	65	76	0.3	43.5	3	1.54	—	Y
IH36830117/20	70	81	0.3	43.5	3	1.65	—	Y
IH36831022/20	75	86	0.3	43.5	3	1.75	—	Y
IH36830118/20	80	92	0.3	43.5	3	2.05	—	Y
IH36830119/20	90	102	0.3	43.5	3	2.29	—	Y
IH36830120/20	100	113	0.3	43.5	3	2.63	—	Y

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



RADIOR 3 (CUT LENGTH)

Designed for cooling systems of automotive engines and stationary engines.

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



- Light and flexible hose
- In piece of 1 m length
- Straight piece without snake effect
- Nitrosamine free
- Burst Pressure Value 3:1



Temperature Range

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

Tolerances

I.D. ≤ 22 mm according to UNI EN ISO 1307

I.D. > 22 mm according to RMA steel mandrel

Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH36830023/1	15	21	0.3	43.5	3	0.23	—	Y
IH36830001/1	18	24.5	0.3	43.5	3	0.29	—	Y
IH36830002/1	20	26.5	0.3	43.5	3	0.32	—	Y
IH36830003/1	22	28.5	0.3	43.5	3	0.34	—	Y
IH36830004/1	25	32	0.3	43.5	3	0.39	—	Y
IH36830005/1	28	36	0.3	43.5	3	0.50	—	Y
IH36830006/1	30	38	0.3	43.5	3	0.53	—	Y
IH36830007/1	32	40	0.3	43.5	3	0.55	—	Y
IH36830008/1	35	43	0.3	43.5	3	0.60	—	Y
IH36830009/1	38	47	0.3	43.5	3	0.73	—	Y
IH36830010/1	40	49	0.3	43.5	3	0.77	—	Y
IH36830011/1	42	51	0.3	43.5	3	0.80	—	Y
IH36830012/1	45	54	0.3	43.5	3	0.85	—	Y
IH36831030/1	48	57	0.3	43.5	3	0.91	—	Y
IH36830013/1	50	60	0.3	43.5	3	1.07	—	Y
IH36830014/1	55	65	0.3	43.5	3	1.17	—	Y
IH36830015/1	60	70	0.3	43.5	3	1.26	—	Y
IH36830016/1	65	76	0.3	43.5	3	1.54	—	Y
IH36830017/1	70	81	0.3	43.5	3	1.65	—	Y
IH36831031/1	75	86	0.3	43.5	3	1.75	—	Y
IH36830018/1	80	92	0.3	43.5	3	2.05	—	Y
IH36830019/1	90	102	0.3	43.5	3	2.29	—	Y
IH36830020/1	100	113	0.3	43.5	3	2.63	—	Y



RADIOR K 1003

Designed for heating and cooling systems, resistant to ASTM I/II/III oil up to +100 °C (+212 °F) with peaks up to +120 °C (+248 °F) and diesel fuel up to +50 °C (+122 °F).

Hose Construction

Tube: Black, smooth, heat resistant NBR rubber compound

Reinforcement: Synthetic textile fabrics yarns

Cover: Black, smooth, wrapped finish, heat, ageing and weather-resistant CR rubber compound



- Superior Chloroprene cover compound for oil and fuel resistance
- Also suitable for B100
- Light and flexible hose
- Burst Pressure Value 3:1

Temperature Range

-40 °C (-40 °F) to +100 °C (+212 °F)

Tolerances

I.D. ≤ 22 mm according to UNI EN ISO 1307

I.D. > 22 mm according to RMA steel mandrel

Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH30831300/40	12	19	0.5	72.5	5	0.24	–	Y
IH30831302/40	15	22	0.5	72.5	5	0.28	–	Y
IH30831303/40	18	25	0.5	72.5	5	0.33	–	Y
IH30831305/40	22	29	0.5	72.5	5	0.39	–	Y
IH36831300/40	25	32	0.5	72.5	5	0.41	–	Y
IH36831301/40	28	35	0.5	72.5	5	0.45	–	Y
IH36831303/40	32	39	0.5	72.5	5	0.51	–	Y
IH36831305/40	38	45	0.5	72.5	5	0.59	–	Y
IH36831308/20	45	56	0.5	72.5	5	1.11	–	N
IH36831309/20	50	61	0.5	72.5	5	1.22	–	Y
IH36831311/20	60	71	0.5	72.5	5	1.43	–	N
IH36831312/20	65	76	0.5	72.5	5	1.54	–	N

THERMOPRESS 10

Suitable for delivery of hot water, non-aggressive hot liquids and steam to a maximum temperature of +120 °C (+248 °F). To connect boilers to air conditioning units and for hot water cleaning systems.

Hose Construction

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

Temperature Range

-40 °C (-40 °F) to +100 °C (+212 °F),
with peaks +120 °C (+248 °F)



- Robust structure
- Wide temperature range
- Nitrosamine free
- Burst Pressure Value 4:1



Tolerances

I.D. ≤ 22 mm according to UNI EN ISO 1307

I.D. > 22 mm according to RMA steel mandrel

Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight	min. Bend Radius	in Stock
			MPa	psi	bar			
IH36800002/100	12	22.5	1.0	150.0	10	0.38	120	Y
IH36800003/80	15	25.5	1.0	150.0	10	0.44	150	Y
IH36800004/80	18	28.5	1.0	150.0	10	0.51	180	Y
IH36800005/80	20	30.5	1.0	150.0	10	0.56	200	Y
IH36800006/40	25	35	1.0	150.0	10	0.61	250	Y
IH36800007/40	30	41	1.0	150.0	10	0.79	300	Y
IH36800009/40	40	54	1.0	150.0	10	1.34	400	Y
IH36800011/40	50	68	1.0	150.0	10	2.12	500	Y
IH36800012/40	60	82	1.0	150.0	10	3.10	600	N



INGLAS 30

Suitable for cooling water delivery in foundries, steel and glass factories. Particularly designed to withstand short contacts with molten metal and glass.

Hose Construction

- Tube:** Black, smooth EPDM insulating rubber compound. Resistant to hot air and hot water
- Reinforcement:** Synthetic textile fabrics
- Cover:** Black, smooth, EPDM rubber compound, heat, abrasion and weather resistant, covered by protective glass fiber

Temperature Range

-40 °C (-40 °F) - maximum of +120 °C (+248 °F)
The cover withstands peaks of +375 °C (+707 °F)



- High peaks of temperature
- Specific for foundries, furnaces and glass factories
- White cover in fiber glass
- Burst Pressure Value 3:1

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
IH42302702/40	10	20	1.0	150.0	10	0.27	80	Y	
IH42302704/40	13	23	1.0	150.0	10	0.33	105	Y	
IH42302710/40	19	31	1.0	150.0	10	0.56	155	Y	
IH42302716/40	25	39	1.0	150.0	10	0.88	200	Y	
IH42302718/40	32	48	1.0	150.0	10	1.23	255	Y	
IH42302726/40	38	58	1.0	150.0	10	1.89	300	Y	
IH42302732/40	42	60	1.0	150.0	10	1.69	340	Y	
IH42302724/40	45	62	1.0	150.0	10	1.71	360	Y	
IH42302740/40	51	69	1.0	150.0	10	2.05	400	Y	
IH42302754/40	65	87	1.0	150.0	10	3.21	520	Y	
IH42302758/40	85	110	1.0	150.0	10	5.47	680	Y	



VAPORE 164 EN ISO 6134 TYPE 1/A

According to EN ISO 6134 type 1/A

Designed for saturated steam (max 6 bar at +164 °C = 90 psi at +327 °F) in general industrial applications.

Hose Construction

- Tube:** Black, smooth, EPM nitrosamine free rubber compound, heat and saturated steam resistant
- Reinforcement:** High resistant synthetic textile fabrics
- Cover:** Black or red (NR), smooth, EPDM nitrosamine free rubber compound, heat, abrasion, ozone and weather resistant. The cover is pinpricked to prevent blistering and bubbling.



- Nitrosamine free 
- Pin-pricked cover
- Available on request with red cover
- Working pressure for hot water 20 bar with a safety factor of 3:1
- Burst Pressure Value 10:1

Tolerances

According to EN ISO 6134

Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +164 °C (+327 °F)

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight	 min. Bend Radius	in Stock
			MPa	psi	bar			
IH36800098/40	10	21	0.6	90.0	6	0.29	100	N
IH36800088/40	13	25	0.6	90.0	6	0.35	130	Y
IH36800089/40	16	30	0.6	90.0	6	0.39	150	Y
IH36800090/40	19	33	0.6	90.0	6	0.70	190	Y
IH36800091/40	25	40	0.6	90.0	6	0.92	250	Y
IH36800092/40	32	48	0.6	90.0	6	1.11	320	N
IH36800093/40	38	54	0.6	90.0	6	1.42	380	N
IH36800096/40	51	69	0.6	90.0	6	2.07	500	N

WARNING! see page F2



VIGOR EN ISO 6134 TYPE 2/A

According to EN ISO 6134 type 2/A

Designed for high pressure saturated steam (max 18 bar at +210 °C = 261 psi at +410 °F). Suitable for loading saturated and superheated steam in cleaning and sterilization applications, petrochemical industry and general steam service applications

Hose Construction

Tube: Black, smooth, extruded IIR rubber compound. Heat and saturated steam resistant

Reinforcement: High tensile steel cords

Cover: Black, smooth, extruded IIR/EPDM rubber compound. Heat, abrasion, ozone and weather resistant. The cover is pinpricked to prevent blistering and bubbling.



- Wide range temperature
- Pin-pricked cover
- Two cover color lines: black and red
- Working pressure for hot water 45 bar with a safety factor of 4:1
- Burst Pressure Value 10:1

Tolerances

According to EN ISO 6134
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +210 °C (+410 °F)
with peaks up to +235 °C (+455 °F)

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
VIGOR black									
IH36801740/40	13	25	1.8	261.0	18	0.51	130	Y	
IH36801741/40	16	30	1.8	261.0	18	0.70	160	N	
IH36801742/40	19	33	1.8	261.0	18	0.77	190	Y	
IH36801743/40	25	40	1.8	261.0	18	1.06	250	Y	
IH36801744/40	32	48	1.8	261.0	18	1.39	320	N	
IH36801745/40	38	54	1.8	261.0	18	1.60	380	N	
IH36801746/40	51	69	1.8	261.0	18	2.56	500	N	
VIGOR red									
IH36801770/40	13	25	1.8	261.0	18	0.51	130	N	
IH36801771/40	16	30	1.8	261.0	18	0.70	160	N	
IH36801772/40	19	33	1.8	261.0	18	0.79	190	N	
IH36801773/40	25	40	1.8	261.0	18	1.06	250	N	
IH36801774/40	32	48	1.8	261.0	18	1.41	320	N	
IH36801775/40	38	54	1.8	261.0	18	1.62	380	N	
IH36801776/40	51	69	1.8	261.0	18	2.59	500	N	

WARNING! see page F2

RUBBER HOSE VIGOR - EN ISO 6134:2005 - 2A - steam - 18 bar - 210 °C - I.D. mm - Ø - MADE IN ITALY 

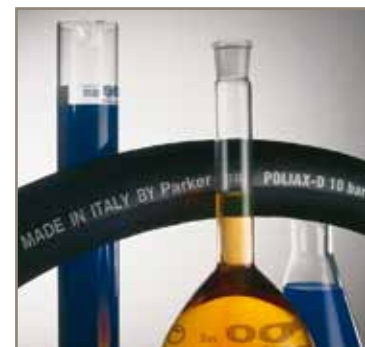
RUBBER HOSE VIGOR - EN ISO 6134:2005 - 2A - steam - 18 bar - 210 °C - I.D. mm - Ø - MADE IN ITALY 



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



Acid & Chemicals



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G – Acid & Chemicals

Hose	ID Range (mm)	Temp. Range (°C)	Application
POLIAX D EN12115 LL	13 - 25	-35 / +100	chemical resistance table
POLIAX D EN 12115	19 - 100	-35 / +100	chemical resistance table
POLIAX D SM EN 12115	19 - 100	-35 / +100	chemical resistance table
POLIAX UPE CON EN 12115	19 - 100	-20 / +100	chemical resistance table
POLIAX UPE CON SM EN 12115	19 - 100	-20 / +100	chemical resistance table
POLIAX UPE CON SM EN 12115 OND	19 - 100	-20 / +100	chemical resistance table
FRUTPRESS N/L 50	10 - 16	-20 / +80	agricultural spray
FRUTPRESS N/L 100	10 - 13	-20 / +80	agricultural spray

WARNING!

If delivering chemicals over +25 °C (+77 °F), please contact us. Many chemical products can cause severe injuries to people or damage to property, and here are risks of environmental pollution in case of leakage or hose burst. All necessary measures must be taken in order to avoid accidents both during normal service operations and during hydrostatic tests, which must be carried out by trained personnel using suitable tools.



	Tube	Reinforce- ment	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	EPM	textile + copper wires	EPDM	16	4		EN 12115	G4
	EPM	textile + copper wires	EPDM	16	4		EN 12115	G5
	EPM	textile + copper wires	EPDM	16	4	yes	EN 12115	G6
	UHMWPE	textile + copper wires	EPDM	16	4		EN 12115	G7
	UHMWPE	textile + copper wires	EPDM	16	4	yes	EN 12115	G8
	UHMWPE	textile + copper wires	EPDM	16	4	yes	EN12115	G9
	NBR	textile	EPDM/NBR	50	3			G10
	NBR	textile	EPDM/NBR	100	3			G10



POLIAX D EN 12115 LL

According to EN 12115

Suitable for delivery of highly aggressive chemicals, according to EN 12115.

Hose Construction

- Tube:** Black, smooth antistatic (R < 1 MΩ/m), EPM nitrosamine free rubber compound
- Reinforcement:** Synthetic textile yarns and built-in copper wires to facilitate the electrical connection between hose and end couplings
- Cover:** Black, antistatic (R < 1 MΩ/m), EPDM rubber compound, heat, abrasion, ageing and weather resistant



- Available in long continuous length
- Nitrosamine free
- In-plant and storage tank transfer
- Suitable for ATEX areas
- Meets TRbF 131 part 2 par 5.5 (flame resistance)
- Burst Pressure Value 4:1



Tolerances

According to EN 12115

Refer to Technical Handbook on page TH34

Temperature Range

-35 °C (-31 °F) to +100 °C (+212 °F)

For aggressive chemicals and solvents the hose is intended to be used at room temperature. The hose can be cleaned and sterilized with usual detergents or steam – a temperature of +130 °C (+266 °F) for short periods.

Part Number			 Working Pressure			 Weight		 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH30810130/40	13	23	1.6	232.0	16	0.33	90	Y	
IH30810132/40	19	31	1.6	232.0	16	0.55	125	Y	
IH30810133/40	25	37	1.6	232.0	16	0.73	150	Y	

WARNING!

If delivering chemicals over +25 °C (+77 °F), please contact us. Many chemical products can cause severe injuries to people or damage to property, and here are risks of environmental pollution in case of leakage or hose burst. All necessary measures must be taken in order to avoid accidents both during normal service operations and during hydrostatic tests, which must be carried out by trained personnel using suitable tools.



POLIAX D EN 12115

According to EN 12115

Suitable for delivery of highly aggressive chemicals, according to EN 12115,

Hose Construction

- Tube:** Black, smooth antistatic EPM nitrosamine free rubber compound
- Reinforcement:** Synthetic textile fabrics and built-in copper wires to facilitate the electrical connection between hose and end couplings
- Cover:** Black, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), EPDM rubber compound, heat, abrasion, ageing and weather resistant



- In-plant and storage tank transfer
- Nitrosamine free
- Suitable for ATEX areas
- Meets TRbF 131 part 2 par 5.5 (flame resistance)
- Burst Pressure Value 4:1



Tolerances

According to EN 12115

Refer to Technical Handbook on page TH34

Temperature Range

-35 °C (-31 °F) to +100 °C (+212 °F)

For aggressive chemicals and solvents the hose is intended to be used at room temperature. The hose can be cleaned and sterilized with usual detergents or steam – a temperature of +130 °C (+266 °F) for short periods.

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH36810130/40	19	31	1.6	232.0	16	0.56	125	Y
IH36810131/40	25	37	1.6	232.0	16	0.71	150	Y
IH36810132/40	32	44	1.6	232.0	16	0.86	175	Y
IH36810133/40	38	51	1.6	232.0	16	1.11	225	Y
IH36810134/40	50	66	1.6	232.0	16	1.72	275	Y
IH36810135/40	63.5	79	1.6	232.0	16	2.10	300	N
IH36810136/40	75	91	1.6	232.0	16	2.56	350	N
IH36810137/40	100	116	1.2	180.0	12	3.38	450	N

WARNING!

If delivering chemicals over +25 °C (+77 °F), please contact us. Many chemical products can cause severe injuries to people or damage to property, and here are risks of environmental pollution in case of leakage or hose burst. All necessary measures must be taken in order to avoid accidents both during normal service operations and during hydrostatic tests, which must be carried out by trained personnel using suitable tools.



POLIAX D SM EN 12115

According to EN 12115

Suitable for suction and delivery of highly aggressive chemicals, according to EN 12115.

Hose Construction

- Tube:** Black, smooth antistatic EPM nitrosamine free rubber compound
- Reinforcement:** Synthetic textile fabrics, embedded steel wire helix and built-in copper wires to facilitate the electrical connection between hose and end couplings
- Cover:** Black, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), EPDM rubber compound, heat, abrasion, ageing and weather resistant



- In-plant and storage tank transfer
- Nitrosamine free
- Flexibility and kink resistance
- Suitable for ATEX areas
- Meets TRbF 131 part 2 par 5.5 (flame resistance)
- Vacuum 0.9 bar up to 63.5 mm then 0.8 bar
- Burst Pressure Value 4:1



Tolerances

According to EN 12115

Refer to Technical Handbook on page TH34

Temperature Range

-35 °C (-31 °F) to +100 °C (+212 °F)

For aggressive chemicals and solvents the hose is intended to be used at room temperature. The hose can be cleaned and sterilized with usual detergents or steam – a temperature of +130 °C (+266 °F) for short periods.

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH36810111/40	19	31	1.6	232.0	16	0.70	125	Y	
IH36810112/40	25	37	1.6	232.0	16	0.92	150	Y	
IH36810113/40	32	44	1.6	232.0	16	1.09	175	Y	
IH36810114/40	38	51	1.6	232.0	16	1.35	225	Y	
IH36810115/40	50	66	1.6	232.0	16	1.84	275	Y	
IH36810116/40	63.5	79	1.6	232.0	16	2.54	300	Y	
IH36810117/40	75	91	1.6	232.0	16	3.12	350	Y	
IH36810118/40	100	116	1.2	180.0	12	4.41	450	N	

WARNING!

If delivering chemicals over +25 °C (+77 °F), please contact us. Many chemical products can cause severe injuries to people or damage to property, and here are risks of environmental pollution in case of leakage or hose burst. All necessary measures must be taken in order to avoid accidents both during normal service operations and during hydrostatic tests, which must be carried out by trained personnel using suitable tools.



POLIAX UPE CON EN 12115

According to EN 12115

POLIAX UPE CON EN 12115 is suitable for delivery of a wide range of highly aggressive chemicals such as most industrial acids, alkalis, oils, fuels and solvents. It can also be used as a flexible connections in paint plants.

Refer to the Chemical Resistant Chart to determine compatibility with specific chemicals. For severe or special applications – for tighter bending radius – or if in doubt, please ask our Technical Assistance.

Hose Construction

- Tube:** Lucent, black, smooth, conductive, ultra high molecular weight polyethylene (UHMWPE), suitable for foodstuff contact according to FDA, EEC Directive, Italian Decrees
- Reinforcement:** Synthetic textile fabrics with built-in copper wires to allow the electrical connection between hose and couplings
- Cover:** Black, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), EPDM rubber compound, heat, abrasion, ageing and weather resistant



- In-plant and storage tank transfer
- Fits also foodstuffs according to FDA
- Suitable for ATEX areas
- Meets TRbF 131 part 2 par 5.5 (flame resistance)
- Burst Pressure Value 4:1

Temperature Range

-20 °C (+5 °F) to +100 °C (+212 °F)

For aggressive chemicals and solvents the hose is intended to be used at room temperature. The hose can be cleaned and sterilized with usual detergents or steam – a temperature of +130 °C (+266 °F) for short periods.

Tolerances

According to EN 12115

Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight	min. Bend Radius	in Stock
			MPa	psi	bar			
IH36811590/40	19	31	1.6	232.0	16	0.61	125	N
IH36811591/40	25	37	1.6	232.0	16	0.73	150	N
IH36811592/40	32	44	1.6	232.0	16	0.90	175	N
IH36811593/40	38	51	1.6	232.0	16	1.09	225	N
IH36811594/40	50	66	1.6	232.0	16	1.80	275	N
IH36811595/40	63.5	79	1.6	232.0	16	1.96	300	N
IH36811596/40	75	91	1.6	232.0	16	2.47	350	N
IH36811597/20	100	116	1.2	180.0	12	3.20	450	N

WARNING!

If delivering chemicals over +25 °C (+77 °F), please contact us. Many chemical products can cause severe injuries to people or damage to property, and here are risks of environmental pollution in case of leakage or hose burst. All necessary measures must be taken in order to avoid accidents both during normal service operations and during hydrostatic tests, which must be carried out by trained personnel using suitable tools.



POLIAX UPE CON SM EN 12115

According to EN 12115

POLIAX UPE CON SM EN 12115 OND is a very flexible hose suitable for suction and delivery of a wide range of highly aggressive chemicals such as most industrial acids, alkalis, oils, fuels and solvents. It can also be used as a flexible connections in paint plants.

Refer to the Chemical Resistant Chart to determine compatibility with specific chemicals. For severe or special applications – for tighter bending radius – or if in doubt, please ask our Technical Assistance.

Hose Construction

- Tube:** Lucent, black, smooth, conductive, ultra high molecular weight polyethylene (UHMWPE), suitable for foodstuff contact according to FDA, EEC Directive, Italian Decrees
- Reinforcement:** Synthetic textile fabrics, embedded steel wire helix and built-in copper wires to allow the electrical connection between hose and couplings
- Cover:** Black, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), EPDM rubber compound, heat, abrasion, ageing and weather resistant



- High flexibility and kink resistance
- Fits also foodstuffs according to FDA
- Suitable for ATEX areas
- Meets TRbF 131 part 2 par 5.5 (flame resistance)
- Vacuum: 0.9 bar up to dn 63.5, 0.8 bar for larger sizes
- Burst Pressure Value 4:1

Temperature Range

-20 °C (+5 °F) to +100 °C (+212 °F)

For aggressive chemicals and solvents the hose is intended to be used at room temperature. The hose can be cleaned and sterilized with usual detergents or steam – a temperature of +130 °C (+266 °F) for short periods.

Tolerances

According to EN 12115

Refer to Technical Handbook on page TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH36811529/40	19	31	1.6	232.0	16	0.71	190	Y	
IH36811530/40	25	37	1.6	232.0	16	0.87	230	Y	
IH36811531/40	32	44	1.6	232.0	16	1.07	260	Y	
IH36811532/40	38	51	1.6	232.0	16	1.35	340	Y	
IH36811534/40	50	66	1.6	232.0	16	2.29	410	Y	
IH36811535/40	63.5	79	1.6	232.0	16	2.51	450	Y	
IH36811536/40	75	91	1.6	232.0	16	3.07	530	Y	
IH36811538/20	100	116	1.2	180.0	12	4.43	680	N	

WARNING!

If delivering chemicals over +25 °C (+77 °F), please contact us. Many chemical products can cause severe injuries to people or damage to property, and here are risks of environmental pollution in case of leakage or hose burst. All necessary measures must be taken in order to avoid accidents both during normal service operations and during hydrostatic tests, which must be carried out by trained personnel using suitable tools.



POLIAX UPE CON SM OND EN 12115

According to EN 12115

POLIAX UPE CON SM EN 12115 OND is a very flexible hose suitable for suction and delivery of a wide range of highly aggressive chemicals such as most industrial acids, alkalis, oils, fuels and solvents. It can also be used as a flexible connections in paint plants.

Refer to the Chemical Resistant Chart to determine compatibility with specific chemicals. For severe or special applications – for tighter bending radius – or if in doubt, please ask our Technical Assistance.

Hose Construction

- Tube:** Lucent, black, smooth, conductive, ultra high molecular weight polyethylene (UHMWPE), suitable for foodstuff contact according to FDA, EEC Directive, Italian Decrees
- Reinforcement:** Synthetic textile fabrics, embedded steel wire helix and built-in copper wires to allow the electrical connection between hose and couplings
- Cover:** Black, corrugated, antistatic ($R < 1 \text{ M}\Omega/\text{m}$), EPDM rubber compound, heat, abrasion, ageing and weather resistant



- Extreme flexibility, superior kink resistance, minimal force to bend
- Fits also foodstuffs according to FDA
- Suitable for ATEX areas
- Meets TRbF 131 part 2 par 5.5 (flame resistance)
- Vacuum: 0.9 bar up to dn 63.5, for larger sizes 0.8 bar
- Burst Pressure Value 4:1

Temperature Range

-20 °C (+5 °F) to +100 °C (+212 °F)

For aggressive chemicals and solvents the hose is intended to be used at room temperature. The hose can be cleaned and sterilized with usual detergents or steam – a temperature of +130 °C (+266 °F) for short periods.

Tolerances

According to EN 12115

Refer to Technical Handbook on page TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH36811570/40	19	31	1.6	232.0	16	0.71	38	Y	
IH36811571/40	25	37	1.6	232.0	16	0.87	50	Y	
IH36811572/40	32	44	1.6	232.0	16	1.07	64	Y	
IH36811573/40	38	51	1.6	232.0	16	1.35	76	Y	
IH36811574/40	50	66	1.6	232.0	16	2.29	100	Y	
IH36811575/40	63.5	79	1.6	232.0	16	2.51	127	N	
IH36811576/40	75	91	1.6	232.0	16	3.07	150	N	
IH36811577/20	100	116	1.2	180.0	12	4.43	200	N	

WARNING!

If delivering chemicals over +25 °C (+77 °F), please contact us. Many chemical products can cause severe injuries to people or damage to property, and here are risks of environmental pollution in case of leakage or hose burst. All necessary measures must be taken in order to avoid accidents both during normal service operations and during hydrostatic tests, which must be carried out by trained personnel using suitable tools.



FRUTPRESS

Suitable for insecticides and herbicide agricultural sprays.

Hose Construction

Tube: Black, smooth, insecticide with solvent and herbicide resistant NBR rubber compound

Reinforcement: Synthetic textile yarns

Cover: Black, smooth: heat, abrasion and weather-resistant, EPDM/NBR rubber compound



- Good flexibility
- Pesticides and fertilizer too
- Agricultural, commercial and residential sprayers
- High working pressure
- Burst Pressure Value 3:1

Temperature Range

-20 °C (-4 °F) to +80 °C (+176 °F)

Tolerances

According to UNI EN ISO 1307

Refer to Technical Handbook on page TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
FRUTPRESS N/L 50									
IH30135002/100	10	19	5.0	725.0	50	0.28	60	Y	
IH30140040/80	16	26	5.0	725.0	50	0.46	100	Y	
FRUTPRESS N/L 100									
IH30136005/100	10	21	10.0	1450.0	100	0.37	60	Y	
IH30136010/80	13	24	10.0	1450.0	100	0.45	80	Y	



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hydraulics
pneumatics
process control
sealing & shielding



Material Handling



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H – Material Handling

Hose	ID Range (mm)	Temp. Range (°C)	Application
LIBECCIO EN ISO 3861	19 - 100	-30 / +70	wet abd dry sand and cement
CEMENT 713 10	50 - 100	-30 / +70	wet abd dry sand and cement
CEMENT SM 10	50 - 125	-30 / +70	wet abd dry sand and cement
VIBRACORD 10	25 - 30	-20 / +80	pneumatic vibrators for concrete
INTONACATRICI 40	25 - 65	-30 / +70	wet abd dry sand and cement
BETON 80	51 - 125	-40 / +70	high pressure concrete pumping
CERGOM	25 - 200	-30 / +70	high abrasive materials



	Tube	Reinforce- ment	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	BR/NR	textile	SBR/NBR	10	4		EN ISO 3861	H4
	BR/NR	textile + copper wires	SBR	10	3			H5
	BR/NR	textile	SBR	10	3	yes		H6
	SBR	textile	SBR	10	3			H7
	BR/NR	textile	SBR	40	3			H8
	NR/SBR	steel wire	NR/SBR	80	2.5			H9
	CERAMIC	textile + copper wires	SBR/NBR	6	3	yes		H10



LIBECCIO EN ISO 3861

According to EN ISO 3861

Suitable for conveying of wet and dry sand and grit blasting materials.

Hose Construction

Tube: Smooth, black, antistatic, abrasion resistant BR/NR rubber compound. Abrasion according to ISO 4649: max. 60 - 70 mm³

Reinforcement: Synthetic textile fabrics

Cover: Black, smooth, antistatic, weather and abrasion resistant SBR/NBR compound. The cover is pinpricked to prevent blistering and bubbling, max. resistance on finished hose: 2,0 MΩ/m



- Exceeds EN ISO 3861 requirements
- Robust and light version available
- Construction, general industry, shipyards
- Burst Pressure Value 4:1

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
IH36820300/40	19	33	1.0	150.0	10	0.69	190	Y	
IH36820200/40	25	40	1.0	150.0	10	0.92	250	Y	
IH36820201/40	30	45	1.0	150.0	10	1.05	300	Y	
IH36820202/40	32	48	1.0	150.0	10	1.37	320	Y	
IH36820303/40	38	55	1.0	150.0	10	1.46	380	Y	
IH36820305/40	42	60	1.0	150.0	10	1.70	420	N	
IH36820206/40	50	72	1.0	150.0	10	2.54	500	Y	
IH36820207/40	60	82	1.0	150.0	10	2.95	600	Y	
IH36820209/20	80	105	1.0	150.0	10	4.32	800	Y	
IH36820210/20	90	115	1.0	150.0	10	4.84	900	N	
IH36820211/20	100	125	1.0	150.0	10	5.30	1000	Y	



CEMENT 713 10

Suitable for delivery of dry cement, grain, seeds and animal feed to road tankers and storage bins or silos.

Hose Construction

Tube: Smooth, black, antistatic, abrasion resistant BR/ NR rubber compound. Abrasion according to DIN 53516; ISO 4649; ASTM D 5963: max. 60 – 70 mm³

Reinforcement: Synthetic textile fabrics and built-in copper wire giving electrical continuity between both ends

Cover: Black, abrasion and weather-resistant, SBR rubber compound



- Construction, general industry
- In-plant transfer/loading, bulk transport trucks
- Burst Pressure Value 3:1

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight	 min. Bend Radius	in Stock
			MPa	psi	bar			
IH36822223/40	50	68	1.0	145.0	10	2.04	600	N
IH36822225/40	63.5	81	1.0	145.0	10	2.49	760	N
IH36822217/40	75	93	1.0	145.0	10	2.92	900	Y
IH36822222/40	80	98	1.0	145.0	10	3.10	960	N
IH36822230/40	90	110	1.0	145.0	10	3.90	1080	N
IH36822220/40	100	120	1.0	145.0	10	4.29	1200	Y



CEMENT SM 10

Suitable for suction and delivery of dry cement to road tankers and storage bins or silos.

Hose Construction

Tube: Black, antistatic smooth abrasion resistant BR/NR rubber compound, abrasion max. 60 - 70 mm³

Reinforcement: Synthetic textile fabrics, embedded steel wire helix

Cover: Black, abrasion and weather-resistant, SBR rubber compound



- In-plant transfer/loading, bulk transport trucks
- Construction, general industry
- Good flexibility
- Vacuum 0.8 bar
- Burst Pressure Value 3:1

Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight		 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH36923100/40	50	64	0.1	150.0	10	1.92	300	Y	
IH36923101/40	60	74	0.1	150.0	10	2.26	360	N	
IH36923105/20	75	93	0.1	150.0	10	3.53	450	N	
IH36923102/20	100	118	0.1	150.0	10	4.80	600	Y	
IH36923109/20	120	140	0.1	150.0	10	6.54	720	N	
IH36923107/20	125	143	0.1	150.0	10	5.77	750	N	



VIBRACORD 10

Designed for electrical or pneumatic vibrators for concrete.

Hose Construction

Tube: Black, smooth, SBR rubber compound
Reinforcement: Synthetic textile fabric
Cover: Black, smooth SBR rubber compound, resistant to abrasion and weathering

Temperature Range

-20 °C (-4 °F) to +80 °C (+176 °F)



- Only air delivery
- Good resistance to abrasion and weathering
- Burst Pressure Value 3:1

Tolerances

According to RMA steel mandrel
 Refer to Technical Handbook on page TH34

Part Number				Working Pressure				 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m			
IH36874542/40	25	40	1.0	150.0	10	1.24	250	N	
IH36874541/40	30	41	1.0	150.0	10	0.99	300	N	



INTONACATRICI 40

Designed for delivery of plaster and abrasive materials such as mortar and wet cement from plastering machines or spray nozzles.

Hose Construction

Tube: Black, abrasion resistant, antistatic smooth BR/NR rubber compound.
Abrasion max. 60 - 70 mm³

Reinforcement: Synthetic textile fabrics

Cover: Black, abrasion and weather-resistant, SBR rubber compound



- Construction, general industrial
- Cover resistant to cuts, gouges, scuffs
- High working pressure
- Burst Pressure Value 3:1

Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH36822030/40	25	38	4.0	600.0	40	0.89	300	Y
IH36822041/40	32	46	4.0	600.0	40	1.14	380	Y
IH36822031/40	50	66	4.0	600.0	40	1.95	600	N
IH36822050/20	65	85	4.0	600.0	40	3.04	780	N



BETON 80

Suitable for placement of concrete at casting locations by concrete pumps at the ends of the machine arms.

Supplied assembled with swaged on full flow hardened couplings at one end or both ends.

Hose Construction

Tube: Smooth, black NR/SBR compound resistant to the abrasive action of the concrete abrasion DIN 53516: max. 50±5 mm³

Reinforcement: Steel wire cord plies

Cover: Black, smooth, weather and abrasion resistant NR/SBR rubber compound

Temperature Range

-40 °C (-40 °F) to +70 °C (+158 °F)



- Flexibility and kink resistance also for easy cleaning
- Wet abrasive materials
- High abrasion resistant tube assures longer service life
- Dedicated fitting series
- Burst Pressure Value 2.5:1

Tolerances

On outside diameter

According to RMA steel mandrel

On inside diameter

According to UNI EN ISO 1307

Refer to Technical Handbook on page TH34

Part Number	 I.D. (mm)	 O.D. (mm)		Working Pressure			 Weight	 min. Bend Radius	in Stock
				MPa	psi	bar			
IH36827051/0	51	75	8		1200	80	3,96	380	Y
IH36827052/0	65	89	8		1200	80	4,84	400	Y
IH36827053/0	76	100	8		1200	80	5,4	400	N
IH36827054/0	100	124	8		1200	80	7,04	550	N
IH36827055/0	125	150	8		1200	80	8,9	700	N

Branding

On the coupling: BETON 80 bar Parker month/year



CERGOM

Parker Global Product

Suitable for pneumatic suction and delivery of dry cement, coal, CDR (fuel by-waste material), minerals, ceramic powder, glass recovery, fibreglass, and to load tankers and storage bins or silos. Applications in the industries: steelworks, cookery, thermoelectric power plant, cement works, mining industries, ceramic works, glassworks, insulating material manufactures etc. Supplied in customized lengths.

Hose Construction

- Tube:** Ceramic hexagonal plates (sinterized Alumina Oxide) processed to match black BR/NR rubber compound, highly resistant to abrasion
- Reinforcement:** Synthetic textile fabrics, embedded steel wire helix and built-in copper wires to provide electrical continuity between both ends
- Cover:** Black, antistatic ($R < 2.0 \text{ M}\Omega/\text{m}$), abrasion and weather-resistant, SBR/NBR rubber compound



- Parker International Patent PCT-EP2007-057488
- Outstanding resistance at the abrasion
- Unique construction provides service life many times longer than traditional rubber hoses
- Reduces operations, logistics and admin costs
- Customized assemblies with built-in tech
- Burst Pressure Value 3:1

Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

Tolerances

Length tolerance $\pm 1 \%$

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
IH36829020/0	25	49	0.6	90.0	6	2.59	375	N	
IH36829021/0	32	56	0.6	90.0	6	3.07	480	N	
IH36829022/0	38	62	0.6	90.0	6	3.48	570	N	
IH36829023/0	42	66	0.6	90.0	6	3.75	630	N	
IH36829024/0	48	72	0.6	90.0	6	4.17	720	N	
IH36829025/0	50	74	0.6	90.0	6	4.31	750	N	
IH36829026/0	60	86	0.6	90.0	6	5.27	900	N	
IH36829027/0	63.5	90	0.6	90.0	6	5.54	953	N	
IH36829028/0	70	100	0.6	90.0	6	6.00	1050	N	
IH36829029/0	75	105	0.6	90.0	6	6.35	1125	N	
IH36829030/0	80	110	0.6	90.0	6	6.93	1200	N	
IH36829031/0	100	132	0.6	90.0	6	8.56	1500	N	
IH36829032/0	114	147	0.6	90.0	6	13.24	1710	N	
IH36829033/0	125	158	0.6	90.0	6	14.42	1875	N	
IH36829034/0	150	188	0.6	90.0	6	19.42	2250	N	
IH36829035/0	200	240	0.6	90.0	6	27.68	3045	N	

RUBBER HOSE DRINKPRESS

10 bar  PARKER
FDA - ADI free
BFR - D.M. 21/03/73

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

10 bar  PARKER
FDA - ADI free
BFR - D.M. 21/03/73



Beverage & Food



ENGINEERING YOUR SUCCESS.



I – Beverage & Food

Hose	ID Range (mm)	Temp. Range (°C)	Application
DRINKPRESS 164	10 - 25	-20 / +164	food & beverage and steam
GAMBRINUS UPE WB SM EN12115	19 - 100	-15 / +100	food & beverage
GAMBRINUS BLUE 10	19 - 100	-40 / +80	fatty food & beverage
GAMBRINUS BLUE SM 10	19 - 100	-40 / +80	fatty food & beverage
GAMBRINUS RED 10	19 - 63.5	-40 / +120	wine and soft drinks food & beverage
GAMBRINUS RED SM 10	19 - 100	-40 / +120	wine and soft drinks food & beverage
GAMBRINUS BLACK SM 10	50 - 100	-40 / +80	abrasive food
VINITRESS	6 - 50	-20 / +60	food & beverage
APERSPIR	10 - 150	-10 / +60	food & beverage
ENOREX	25 - 150	-25 / +60	wine and soft drinks food & beverage
TE Potable Water PU Hose	32 - 150	-40 / +80	potable water transfert

Guidelines to the Use and Cleaning of Food Rubber Hose

The hoses offered in our catalogue are manufactured in accordance with the best production practices, observing the international norms and specifications regulating this sector to guarantee safety, performance, quality and hygiene.

Transport, storage, handling, usage and media may contaminate the hose and affect its performance.

Therefore Parker recommends cleaning and sanitizing the hose prior to and after each use to maintain hose efficiency and prevent harmful contamination.

However our suggestions are superseded by specific local government regulations.

Before the use of Food hose:

- Flush with drinking water at 20 °C for max 10 min
- Cleaning process with detergents/chemicals
- Rinse with drinking water at 20 °C for max 10 min
- Sterilization at 110 °C for max 30 min
- Rinse with drinking water at 20 °C for max 10 min
- Check to determine that all residuals have been eliminated

The frequency depends on the type of food and liquid conveyed and environment condition.

The frequency and time of exposure to detergents/disinfectants may compromise the service life of the hose. Thus we recommend regular inspection of the hose to evaluate its physical conditions.



	Tube	Reinforce- ment	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	NBR	textile	NBR/PVC	20	3		DM 21/03/73 - FDA	I4
	UHMWPE	textile + copper wires	EPDM	16	4	yes	**EN12115-FDA-DM	I5
	NBR	textile	NBR	10	3		* BfR - DM - FDA - EC	I6
	NBR	textile	NBR	10	3	yes	* BfR - DM - FDA - EC	I7
	EPDM	textile	EPDM	10	3		* BfR - DM - FDA - EC	I8
	EPDM	textile	EPDM	10	3	yes	* BfR - DM - FDA - EC	I9
	NR/SBR	textile	NR/SBR	10	3	yes	* BfR - DM - FDA - EC	I10
	PVC	textile	PVC	20	3		EC 90/128 CLASS A-B-C	I11
	PVC	steel wire	PVC	12	3	yes	EC 90/128 CLASS A-B-C	I12
	PVC	PVC wire		10	3	yes	EC 1935:2004 CLASS A-B-C	I13
	PU	textile	PU	20	2		WRAS - DWI - NSF 61	I14

* BfR Class2 - DM 21/03/73 - FDA title21 - EC 1935/2004

** EN 12115 - FDA title21 - DM 21/03/73 - DM 220 26/04/93

Product	Compound	Concentration	Temperature
Hot Water	All	0	Up to 95 °C
Steam	All	0	Up to 110 °C
Caustic Soda	All	2 % max 5 % max	85 °C max 25 °C max
Nitric Acid	NR/SBR	0.1 % max 2 % max	85 °C max 25 °C max
Chlorine Acetic acid	NR/SBR	1 % max	25 °C max
Per acetic acid	NR/SBR	1.5 % max	25 °C max
Phosphoric acid	NR/SBR	2 % max	65 °C max



DRINKPRESS 164

Recommended for delivery of all foodstuffs containing animal or vegetable fats and oils as well as beverages and liqueurs. Ideal for cleaning dairies, slaughter houses, food processing plants with hot water and steam.

Hose Construction

- Tube:** White, smooth NBR rubber compound, non-toxic, odorless and taste-free.
Resistant to steam and hot water
- Reinforcement:** Synthetic textile yarns
- Cover:** Blue, smooth NBR/PVC rubber compound. Oils, grease, abrasion and weather-resistant. Pin-pricked cover to prevent blisters during use.



- According to FDA, DM 21/03/73
- Versatility of use for a logistic benefit
- Burst Pressure Value 3:1 for water
- Burst Pressure Value 10:1 for steam

Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH34

Temperature Range

-20 °C (+4 °F) to +95 °C (+203 °C) for foodstuffs
up to +164 °C (+327 °F) for hot water & steam only

For foodstuffs

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar			
IH30240051/40	10	19	2.0	300.0	20	0.31	80	N
IH30240052/40	13	23	2.0	300.0	20	0.42	105	Y
IH30240053/40	16	26	2.0	300.0	20	0.49	130	N
IH30240054/40	19	31	2.0	300.0	20	0.71	150	Y
IH30240055/40	25	39	1.0	150.0	10	1.05	200	N

For hot water & steam

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar			
IH30240051/40	10	19	0.6	87.0	6	0.31	80	N
IH30240052/40	13	23	0.6	87.0	6	0.42	105	Y
IH30240053/40	16	26	0.6	87.0	6	0.49	130	N
IH30240054/40	19	31	0.6	87.0	6	0.71	150	Y
IH30240055/40	25	39	0.3	44.0	3	1.05	200	N

GAMBRINUS UPE SM EN 12115

According to EN 12115

Designed to handle all beverages such milk, mineral water, fruit juices, wine, liqueurs etc..., as well as animal or vegetable fats and oils. It is also suitable for sanitary materials. UHMUPE tube does not leach into and contaminate the product conveyed. Suitable for suction and delivery.

Hose Construction

- Tube:** Smooth, white undercoat, ultra high molecular weight translucent polyethylene (UHMWPE), suitable for foodstuff contact
- Reinforcement:** Synthetic textile fabrics with embedded steel wire helix and copper wire to allow electrical connection between hose and couplings
- Cover:** Blue, abrasion and weather resistant EPDM rubber compound



- According to EN 12115 - FDA title21 - DM 21/03/73 - DM 220 26/04/93
- Compatibility with all liquid foodstuffs & outstanding performance in one solution
- Burst Pressure Value 4:1
- Vacuum: 0.8 bar max

Tolerances

According to EN 12115

Refer to Technical Handbook on page TH34

Temperature Range

-20 °C (-4 °F) to +100 °C (+212 °F)

sterilization at 130 °C for short periods

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH36242301/40	19	31	1.6	232.0	16	0.70	190	N	
IH36242302/40	25	37	1.6	232.0	16	0.90	225	Y	
IH36242303/40	32	44	1.6	232.0	16	1.20	260	Y	
IH36242304/40	38	51	1.6	232.0	16	1.50	335	Y	
IH36242305/40	50	66	1.6	232.0	16	2.20	410	Y	
IH36242306/40	63.5	79	1.6	232.0	16	2.80	450	N	
IH36242307/40	75	91	1.6	232.0	16	3.30	525	N	
IH36242309/40	100	116	1.2	180.0	12	4.70	675	N	



GAMBRINUS BLUE 10

Designed to handle fatty foods, milk in a variety of transfer and delivery applications, including milk collection.

Hose Construction

Tube: White, smooth NBR rubber compound, non-toxic, odorless and taste-free. Manufactured on stainless steel mandrel for the maximum cleanliness, hygienic standards and a bacteria-free surface.

Reinforcement: Synthetic textile fabrics

Cover: Blue NBR rubber compound, non-marking, abrasion and weather-resistant

Temperature Range

-40 °C (-40 °F) to +80 °C (+176 °F)
sterilization at 110 °C for max 30 min.



- According to FDA, BfR class 2, DM 21/03/73, EC 1935/2004
- Indoors and outdoors
- ADI free
- Burst Pressure Value 3:1

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight		 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m			
IH36242431/40	19	29	1.0	150.0	10	0.67	120	Y	
IH36242432/40	25	35	1.0	150.0	10	0.80	150	Y	
IH36242433/40	30	42	1.0	150.0	10	1.11	180	N	
IH36242434/40	32	44	1.0	150.0	10	1.23	190	Y	
IH36242435/40	38	50	1.0	150.0	10	1.38	240	Y	
IH36242436/40	40	52	1.0	150.0	10	1.41	250	N	
IH36242437/40	45	57	1.0	150.0	10	1.62	310	N	
IH36242438/40	51	64	1.0	150.0	10	1.88	350	Y	
IH36242439/40	60	73	1.0	150.0	10	2.24	410	N	
IH36242440/40	63.5	77	1.0	150.0	10	2.60	450	N	
IH36242441/40	70	83	1.0	150.0	10	2.86	550	N	
IH36242442/40	76	89	1.0	150.0	10	3.00	600	N	
IH36242443/40	80	93	1.0	150.0	10	3.17	630	N	
IH36242444/20	102	116	1.0	150.0	10	4.60	750	N	

GAMBRINUS BLUE 10 SM

Designed to handle fatty foods, milk in a variety of suction and delivery applications indoors and outdoors, including milk collection.

Hose Construction

Tube: White, smooth NBR rubber compound, non-toxic, odorless and taste-free.
Manufactured on stainless steel mandrel for the maximum cleanliness, hygienic standards and a bacteria-free surface

Reinforcement: Synthetic textile fabrics and embedded steel wire helix

Cover: Blue NBR rubber compound, non-marking, abrasion and weather-resistant.



- According to FDA, BfR class 2, DM 21/03/73, EC 1935/2004
- Excellent flexibility, kink resistance, easy handling
- ADI free
- Burst Pressure Value 3:1
- Vacuum: 0.9 bar

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +80 °C (+176 °F)
sterilization at 110 °C for max 30 min.

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH36242401/40	19	29	1.0	150.0	10	0.67	38	Y
IH36242402/40	25	35	1.0	150.0	10	0.80	50	Y
IH36242403/40	30	42	1.0	150.0	10	1.11	60	N
IH36242404/40	32	44	1.0	150.0	10	1.23	64	Y
IH36242405/40	38	50	1.0	150.0	10	1.38	76	Y
IH36242406/40	40	52	1.0	150.0	10	1.41	80	Y
IH36242407/40	45	57	1.0	150.0	10	1.62	90	N
IH36242408/40	51	64	1.0	150.0	10	1.88	102	Y
IH36242409/40	60	73	1.0	150.0	10	2.24	150	N
IH36242410/40	63.5	77	1.0	150.0	10	2.60	160	Y
IH36242411/40	65	79	1.0	150.0	10	2.66	170	N
IH36242412/40	70	83	1.0	150.0	10	2.86	180	N
IH36242413/40	76	89	1.0	150.0	10	3.00	190	Y
IH36242414/40	80	93	1.0	150.0	10	3.17	250	N
IH36242415/20	102	116	1.0	150.0	10	4.60	380	Y



GAMBRINUS RED 10

Recommended for wine, beer, liqueurs, fruit juice and soft drinks in process, package and transfer phase. Ideal either fixed and mobile installation. Not suitable for fatty food.

Hose Construction

Tube: White, smooth EPDM rubber compound, non-toxic, odorless and taste-free.
Manufactured on stainless steel mandrel for the maximum cleanliness and hygienic standards

Reinforcement: Synthetic textile fabrics
Cover: Red EPDM rubber compound, non-marking, abrasion and weather-resistant



- According to FDA, BfR class 2, DM 21/03/73, EC 1935/2004
- Up to 96 % alcoholic content
- ADI free
- Crimped Stainless Steel Fittings available
- Burst Pressure Value 3:1

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +120 °C (+248 °F)
sterilization at 110 °C for max 30 min.

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH36242531/40	19	29	1.0	150.0	10	0.45	95	N
IH36242532/40	25	35	1.0	150.0	10	0.59	140	N
IH36242533/40	30	41	1.0	150.0	10	0.80	160	N
IH36242534/40	32	43	1.0	150.0	10	0.90	170	N
IH36242535/40	38	51	1.0	150.0	10	1.20	200	N
IH36242536/40	40	54	1.0	150.0	10	1.40	220	N
IH36242537/40	51	65	1.0	150.0	10	1.90	250	N
IH36242538/40	60	76	1.0	150.0	10	2.50	320	N
IH36242539/40	63.5	81	1.0	150.0	10	2.60	340	N

GAMBRINUS RED 10 SM

Recommended for wine, beer, liqueurs, fruit juice and soft drinks in process, package and transfer phase. Ideal either fixed and mobile installation. Not suitable for fatty food. Designed for suction and delivery.

Hose Construction

- Tube:** White, smooth EPDM rubber compound, non-toxic, odorless and taste-free.
Manufactured on stainless steel mandrel for the maximum cleanliness and hygienic standards
- Reinforcement:** Synthetic textile fabrics and embedded steel wire helix
- Cover:** Red EPDM rubber compound, non-marking, abrasion and weather-resistant



- According to FDA, BfR class 2, DM 21/03/73, EC 1935/2004
- Up to 96 % alcoholic content
- Excellent flexibility, kink resistance, easy handling
- ADI free
- Crimped Stainless Steel Fittings available
- Burst Pressure Value 3:1
- Vacuum: 0.9 bar

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +120 °C (+248 °F)
sterilization at 110 °C for max 30 min.

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight	min. Bend Radius	in Stock
			MPa	psi	bar			
IH36242501/40	19	29	1.0	150.0	10	0.67	80	N
IH36242502/40	25	35	1.0	150.0	10	0.80	125	N
IH36242503/40	30	42	1.0	150.0	10	1.11	150	N
IH36242504/40	32	44	1.0	150.0	10	1.23	160	N
IH36242505/40	38	50	1.0	150.0	10	1.38	190	Y
IH36242506/40	40	52	1.0	150.0	10	1.41	200	N
IH36242507/40	45	57	1.0	150.0	10	1.62	225	N
IH36242508/40	51	64	1.0	150.0	10	1.88	255	Y
IH36242509/40	60	73	1.0	150.0	10	2.24	300	N
IH36242510/40	63.5	77	1.0	150.0	10	2.60	320	Y
IH36242511/40	76	89	1.0	150.0	10	3.00	390	Y
IH36242512/40	80	93	1.0	150.0	10	3.17	440	N
IH36242513/20	102	116	1.0	150.0	10	4.60	560	N



GAMBRINUS BLACK SM 10

For abrasive dry food such as flour, sugar, grains, granules, pellets and animal food. Suitable for suction and delivery.

Hose Construction

- Tube:** White NR/SBR, non-toxic. Manufactured on polished stainless steel mandrel for an ultra-smooth, bacteria free tube that does not impart taste or odor and it is resistant to abrasion
- Reinforcement:** Synthetic textile fabrics, embedded steel wire helix to provide suction capability and kink resistance
- Cover:** Black NR/SBR rubber compound, antistatic ($R < 10^6 \Omega/m$) resistant to abrasion and weather-resistant



- According to FDA, BfR class 2, DM 21/03/73, EC 1935/2004
- In-plant and tank transfer, delivery and transport
- Burst Pressure Value 3:1
- Vacuum: 0.9 bar

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +80 °C (+176 °F)
sterilization at 110 °C for max 30 min.

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH36242203/40	51	65	1.0	150.0	10	1.92	300	Y	
IH36242204/40	60	75	1.0	150.0	10	2.30	360	N	
IH36242205/40	63.5	79	1.0	150.0	10	2.43	380	N	
IH36242206/40	70	86	1.0	150.0	10	2.80	420	N	
IH36242207/40	76	92	1.0	150.0	10	3.25	450	Y	
IH36242208/40	80	96	1.0	150.0	10	3.45	480	N	
IH36242209/20	102	118	1.0	150.0	10	4.80	610	N	

VINITRESS

For delivery of foodstuff in general industrial purposes and for agriculture applications.

Hose Construction

Flexible, transparent PVC hose having a textile reinforcement between the walls.

Temperature Range

-20 °C (-4 °F) TO +60 °C (140 °F)

sterilization at 130 °C for short periods



- According to European Directive EC 90/128 Class A, B and C
- Low duty mission profile
- Transparent structure to visually monitor the passage of media
- Burst Pressure Value 3:1

Tolerances

Refer to Technical Handbook on page TH34

Part Number			 Working Pressure	 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa psi bar	kg/m	mm	
IH35033229/100	6	12	2.0 300.0 20	0.10	40	Y
IH35033230/100	8	14	2.0 300.0 20	0.13	50	Y
IH35033223/50	9	15	2.0 300.0 20	0.14	50	Y
IH35033231/100	10	16	2.0 300.0 20	0.15	60	Y
IH35033220/50	13	19	1.2 174.0 12	0.18	80	Y
IH35033222/50	15	21	1.2 174.0 12	0.21	90	Y
IH35033221/50	19	26	1.0 150.0 10	0.30	110	Y
IH35033245/50	25	33	0.8 116.0 8	0.44	150	Y
IH35033241/25	32	42	0.7 101.5 7	0.71	190	N
IH35033246/25	38	48	0.6 87.0 6	0.82	230	N
IH35033240/25	40	50	0.6 87.0 6	0.86	240	N
IH35033242/25	50	64	0.5 72.5 5	1.53	300	N



APERSPIR

Suitable for suction and delivery of foodstuff in general industrial purposes and for agriculture applications.

Hose Construction

Flexible and light hose having an harmonic steel wire helix embedded in a transparent PVC wall.

Temperature Range

-10 °C (+14 °F) to +60 °C (+140 °F)



- According to European Directive EC 90/128 Class A, B and C
- Medium and heavy duty mission profile
- Vacuum: 0.8 bar

Tolerances

Refer to Technical Handbook on page TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	Wall (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
IH35641010/30	10	3.1	1.2	174.0	12	0.18	23	N	
IH35641012/30	12	3.1	1.5	217.5	15	0.19	20	Y	
IH35641016/50	16	3.1	1.5	217.5	15	0.26	30	Y	
IH35641019/50	19	3.5	1.2	174.0	12	0.33	40	Y	
IH35641020/50	20	3.5	1.2	174.0	12	0.34	40	Y	
IH35641025/50	25	4.2	1.1	159.5	11	0.52	50	Y	
IH35641030/50	30	4.2	1.0	150.0	10	0.63	60	Y	
IH35641032/50	32	4.5	0.95	137.75	9.5	0.66	60	Y	
IH35641038/50	38	4.5	0.8	116.0	8	0.80	80	Y	
IH35641040/50	40	5	0.8	116.0	8	0.95	80	Y	
IH35641045/50	45	5	0.75	108.75	7.5	1.15	90	Y	
IH35641050/50	50	5.4	0.7	101.5	7	1.30	100	Y	
IH35641060/50	60	6.1	0.6	87.0	6	1.75	120	Y	
IH35641075/50	75	7	0.45	65.25	4.5	2.30	150	Y	
IH35641100/30	100	8	0.3	43.5	3	3.65	200	Y	
IH35641120/30	120	8	0.2	29.0	2	4.30	240	N	
IH35641125/30	125	8.3	0.2	29.0	2	4.60	250	N	
IH35641150/20	150	9.5	0.2	29.0	2	6.50	300	N	

ENOREX

Suction and delivery of wine and liquid foodstuffs in cellars, stores and docks for loading and unloading tankers and storage tankers.

Hose Construction

Flexible and light hose having a red, rigid PVC spiral embedded in transparent PVC wall, manufactured with materials according to 2007/19/EC European Standard for foods, and 2002/95/EC European standard RoHS.

Temperature Range

-25 °C (-13 °F) to +60 °C (+140 °F)



- According to EC 1935/2004 Class A, B and C
- Heavy duty mission profile
- Vacuum: 0.9 bar
- Burst Pressure Value 3:1

Tolerances

Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight	min. Bend Radius	in Stock
			MPa	psi	bar			
IH35620025/50	25	34	1.0	150.0	10	0.55	125	N
IH35620030/50	30	40	1.0	150.0	10	0.65	150	N
IH35620040/50	40	50	0.9	130.5	9	0.85	200	Y
IH35620050/50	50	62	0.8	116.0	8	1.20	250	Y
IH35620060/50	60	72	0.75	108.8	7.5	1.60	360	Y
IH35620080/50	80	94	0.65	94.25	6.5	2.20	520	Y
IH35620100/25	100	116	0.5	72.5	5	3.36	650	N
IH35620120/25	120	138	0.3	43.5	3	4.20	780	N



TE POTABLE WATER PU HOSE

Used in mobile applications to transfer large volumes of drinking water from tank trucks to major public events or work sites, as well as emergency water supply lines to bypass water mains where service has been curtailed due to construction.

Hose Construction

Polyurethane extruded through one woven polyester ply of reinforcement.

Temperature Range

-40 °C (-40 °F) to +80 °C (+176 °F)



- Has been fully tested to prove compatibility with potable water, including taste and odour
- Much easier to couple, install and remove than polyethylene pipe
- High performing polymer preserve from fluid contamination.
- In compliance with Drinking Water Inspectorate (DWI), Polish National Institute of Public Health, Water Regulations Advisory Scheme (WRAS) and USA NSF 61
- Burst Pressure Value 2:1

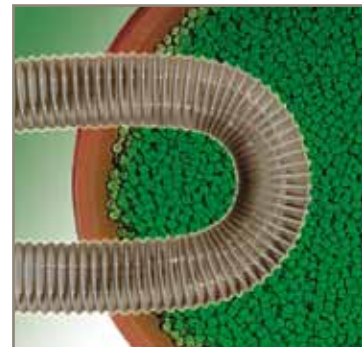
Part Number	Nominal Diameter		Wall (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
	(mm)	(inch)		MPa	psi	bar			
TE15X200MBPW	32	1½	2.15	3.1	450.0	31	0.331	–	N
TE20X200MBPW	51	2	2.30	3.1	450.0	31	0.408	–	N
TE25X200MBPW	63.5	2½	2.30	3.1	450.0	31	0.580	–	N
TE40X200MBPW	102	4	3.30	1.8	270.0	18	1.137	–	N
TE60X200MBPW	152	6	3.05	2.0	300.0	20	1.717	–	N



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Ducting



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J – Ducting

Hose	ID Range (mm)	Temp. Range (°C)	Application
ASPIREX	20 - 250	-15 / +60	suction equipment
ASPIREX 140 °C	40 - 150	-40 / +140	suction equipment
ASPIREX PU/ANC	38 - 100	-25 / +85	suction equipment



	Tube	Reinforce- ment	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	PVC	PVC wire	PVC	-	-	yes		J4
	SANTO- PRENE	steel wire		-	-	yes		J5
	PU	PVC and copper wire		-	-	yes		J6



ASPIREX

Suitable for suction of air, dust, fumes, saw-dust and wood-shavings. Also suitable for centralized suction equipment in wood, textile, china and welding equipment. It is also suitable for use on agricultural machinery.

Hose Construction

Flexible hose having a grey, rigid PVC spiral embedded in a metalized grey, flexible PVC wall. Externally corrugated, smooth inner surface. Self-extinguishing according to UL 94 Class V2.

Temperature Range

-15 °C (+5 °F) to +60 °C (+140 °F)



- Self-extinguishing hose
- General purpose hose
- Not to be used under pressure
- Vacuum 0.75 bar for ID up to 50 mm then 0.40 bar

Tolerances

Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	Wall (mm)	MPa	psi	bar	kg/m	mm	
IH35560020/50	20	2.6	–	–	–	0.14	20	Y
IH35560025/50	25	2.9	–	–	–	0.18	25	Y
IH35562032/50	32	3.3	–	–	–	0.27	32	Y
IH35560040/50	40	3.9	–	–	–	0.36	40	Y
IH35560050/50	50	4.2	–	–	–	0.52	50	Y
IH35560060/50	60	4.4	–	–	–	0.64	60	Y
IH35560070/50	70	4.8	–	–	–	0.76	70	Y
IH35560080/50	80	5.0	–	–	–	0.97	80	Y
IH35560100/30	100	5.3	–	–	–	1.27	100	Y
IH35560120/30	120	5.6	–	–	–	1.58	120	Y
IH35560150/30	150	5.9	–	–	–	2.15	150	Y
IH35562160/30	160	6.1	–	–	–	2.28	160	N
IH35560200/15	200	7.0	–	–	–	2.95	200	Y
IH35560250/15	250	8.0	–	–	–	4.00	250	N

ASPIREX I.D. mm - SELF-EXTINGUISHING UL 94 V2 PARKER



ASPIREX 140°

Suction hose for: air, smoke, vapours, exhaust gas, dust, chips, grains, pellets.

Good resistance to acids and lyes, resistant also to polychloroprene (CR), against hydrocarbons, oils. Very good resistance also to abrasion, atmospheric and ageing conditions. Oil resistant as per ASTM D 2000.

Recommendation: the hose has to be used in static conditions and not in dynamic conditions.

Hose Construction

Black hose in Santoprene with an integrated steel spiral.

Temperature Range

-25 °C (-13 °F) to +125 °C (+257 °F),

With peaks up to +140 °C (+284 °F) for a short period



- Multiple media suction hose
- Oil resistant according ASTM D 2000
- Designed for high temperature application
- Not to be used under pressure
- Vacuum 0.3 bar for ID up to 50 mm then 0.25 bar

Tolerances

Refer to Technical Handbook on page TH34

Part Number	 I.D. (mm)	 Wall (mm)	Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH35579040/30	40	46	–	–	–	0.20	46	N
IH35579050/30	50	56	–	–	–	0.28	56	N
IH35579063/30	63	69	–	–	–	0.34	69	N
IH35579080/30	80	87	–	–	–	0.48	87	N
IH35579090/30	90	97	–	–	–	0.52	97	N
IH35579100/30	100	107	–	–	–	0.66	107	N
IH35579110/30	110	117	–	–	–	0.72	117	N
IH35579125/30	125	132	–	–	–	0.80	132	N
IH35579150/30	150	157		–		1.10	157	N



ASPIREX PU/ANC

Suitable for suction of warm air, abrasion dust, warm fumes, saw-dust, wood-shavings, cement, cereal grains, sugar, and other granules.

Hose Construction

PU transparent and antistatic hose having a grey, rigid PVC spiral, resistant to crush, abrasion and ozone, with antistatic 9 wires copper cord.

Food and beverage – The polyurethane used is in conformity to:

- F.D.A. – CFR 21
parts 175, 105, 177, 1680, 177, 2600;
- CEE
82/711, 85/572, 89/109, 90/128,
92/30, 93/8, 95/3, 98/11

Temperature Range

-25 °C (-13 °F) to +85 °C (+185 °F)



- In conformity with FDA title 21 and multiple EC specs
- Strong abrasion resistance
- Not to be used under pressure
- Vacuum 0.5 bar for ID up to 32 mm then 0.40 bar

Tolerances

Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	Wall (mm)	MPa	psi	bar	kg/m	mm	
IH35576038/20	38	44.6	–	–	–	0.23	45	N
IH35576050/20	50	57.0	–	–	–	0.31	57	Y
IH35576060/20	60	67.4	–	–	–	0.39	67	Y
IH35576080/20	80	89.0	–	–	–	0.61	89	Y
IH35576102/20	102	112.4	–	–	–	0.84	112	Y



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Multipurpose



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K – Multipurpose

Hose	ID Range (mm)	Temp. Range (°C)	Application
GST II 15 BAR N/L	5 - 38	-40 / +100	compressed air, non aggressive liquids
GST II 15 BAR NR/L	6.5 - 38	-40 / +100	compressed air, non aggressive liquids
GST II 20 BAR N/L	6.5 - 25	-40 / +100	compressed air, non aggressive liquids
PYTHON N/L 20	10 - 50	-40 / +120	multipurpose
PYTHON NV/L 20	10 - 50	-40 / +120	multipurpose
PYTHON NY/L 30	6 - 100	-40 / +120	multipurpose
JUMBO N/L	13 - 25	-40 / +120	multipurpose
E-Z FROM MP	13 - 75	-34 / +120	high flexible hose for multipurpose
OILPRESS N/L 20	6 - 25	-30 / +100	multipurpose
OILPRESS N/L 30	6 - 25	-30 / +100	multipurpose
ARCTIC EDGE	9.5 - 38	-57 / +100	low temperature multipurpose
JIFFY	6.5 - 19	-40 / +100	multipurpose
APERFRUT 20	8 - 19	-15 / +60	agricultural spray
APERFRUT 40	8 - 13	-15 / +60	agricultural spray
APERFRUT 80	8 - 13	-15 / +60	agricultural spray
TE AS Antistatic PU Hose	32 - 51	-40 / +80	multipurpose
TS Slurry PU Hose	90 - 125	-40 / +80	slurry transfert



	Tube	Reinforce- ment	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	EPDM	textile	EPDM	15	4			K4
	EPDM	textile	EPDM	15	4			K5
	EPDM	textile	EPDM	20	4			K6
	EPDM	textile	EPDM	20	3			K7
	EPDM	textile	EPDM	20	3			K8
	EPDM	textile	EPDM	30	3			K9
	EPDM	textile	EPDM	20	3			K10
	CR	textile	CR	5	4	yes		K11
	NBR	textile	CR	20	3			K12
	NBR	textile	CR	30	3			K12
	NBR	textile + copper wires	CR	20	4			K13
	NBR	textile	CR	20	4		MSHA approved	K14
	PVC	textile	PVC	20	4			K15
	PVC	textile	PVC	40	3			K15
	PVC	textile	PVC	80	2.5			K15
	PU	textile + copper wires	PU	20	2			K16
	PU	textile	PU	10	3			K17



GST II BLACK 15

Parker Global Product

In agriculture, construction, air tool lubricant systems and general industrial for air (including oil mist), mild chemicals and water. Suitable for MRO and OEM channel. Not to be used with oil or refined fuel.

Hose Construction

Tube: Black EPDM, antistatic rubber compound
Reinforcement: Synthetic textile yarns.
Cover: Black, smooth EPDM rubber compound resistant to abrasion, heat and ozone

Temperature Range

-40 °C (-40 °F) to +100 °C (+212 °F)



- Nitrosamine free
- Permanent fittings capability
- EPDM compound suitable also for oil mist
- Burst Pressure Value 4:1



Tolerances

According to UNI EN ISO 1307
 Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight		 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH709319200/40	5	11	1.5	200.0	15	0.10	40	N	
IH709325200/100	6.5	13	1.5	200.0	15	0.13	50	Y	
IH709325200/40	6.5	13	1.5	200.0	15	0.13	50	Y	
IH709331200/100	8	15	1.5	200.0	15	0.16	65	Y	
IH709331200/40	8	15	1.5	200.0	15	0.16	65	Y	
IH709338200/100	9.5	17	1.5	200.0	15	0.20	75	Y	
IH709338200/40	9.5	17	1.5	200.0	15	0.20	75	Y	
IH709350200/100	13	21	1.5	200.0	15	0.29	105	Y	
IH709350200/40	13	21	1.5	200.0	15	0.29	105	Y	
IH709363200/100	16	25	1.5	200.0	15	0.36	130	Y	
IH709363200/40	16	25	1.5	200.0	15	0.36	130	Y	
IH709375200/40	19	28	1.5	200.0	15	0.49	150	Y	
IH7093100200/40	25	36	1.5	200.0	15	0.69	200	Y	
IH7093125204/40	32	45	1.5	200.0	15	1.15	230	Y	
IH7093150204/40	38	52	1.5	200.0	15	2.76	250	Y	

GST II RED 15

Parker Global Product

In agriculture, construction, air tool lubricant systems and general industrial for air (including oil mist), mild chemicals and water. Suitable for MRO and OEM channel. Not to be used with oil or refined fuel..

Hose Construction

Tube: Black EPDM, antistatic rubber compound.

Reinforcement: Synthetic textile yarns

Cover: Red, smooth EPDM insulating rubber compound resistant to abrasion, heat and ozone

Temperature Range

-40 °C (-40 °F) to +100 °C (+212 °F)



- Nitrosamine free
- Permanent fittings capability
- EPDM compound suitable also for oil mist
- Burst Pressure Value 4:1



Tolerances

According to UNI EN ISO 1307

Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH709225200/40	6.5	13	1.5	200.0	15	0.13	50	N
IH709231200/40	8	15	1.5	200.0	15	0.16	65	N
IH709238200/40	9.5	17	1.5	200.0	15	0.20	75	N
IH709250200/40	13	21	1.5	200.0	15	0.29	105	Y
IH709263200/40	16	25	1.5	200.0	15	0.36	130	Y
IH709275200/40	19	28	1.5	200.0	15	0.49	150	Y
IH7092100200/40	25	36	1.5	200.0	15	0.69	200	Y
IH7092125204/40	32	45	1.5	200.0	15	1.15	230	N
IH7092150204/40	38	52	1.5	200.0	15	2.76	250	N



GST II BLACK 20

Parker Global Product

Designed for compressed air with traces of oil in industrial application. Also suitable in agriculture, construction, and general industry for water, mild chemicals and non aggressive fluids. Not to be used with oil or refined fuel.

Hose Construction

- Tube:**
- Black EPDM, antistatic rubber compound.
- Reinforcement:**
- Synthetic textile yarns.
- Cover:**
- Black, smooth EPDM rubber compound resistant to abrasion, heat and ozone

Temperature Range

-40 °C (-40 °F) to +100 °C (+212 °F)



- Nitrosamine free
- Permanent fittings capability
- EPDM compound suitable also for oil mist
- All sizes on stock
- Burst Pressure Value 4:1



Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight		 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH709325300/100	6.5	14	2.0	300.0	20	0.16	50	Y	
IH709331300/100	8	16	2.0	300.0	20	0.20	65	Y	
IH709338300/100	9.5	17.5	2.0	300.0	20	0.23	75	Y	
IH709350304/100	13	22	2.0	300.0	20	0.36	105	Y	
IH709363304/100	16	27	2.0	300.0	20	0.52	130	Y	
IH709375304/40	19	29.5	2.0	300.0	20	0.56	150	Y	
IH7093100304/40	25	36.5	2.0	300.0	20	0.75	200	Y	

PYTHON N/L 20

Designed for air, cold and hot water and light-chemical media. Major properties of PYTHON hoses are:

- high ozone resistance
- antistatic resistance
- high temperature resistance
- low temperature resistance
- non-staining cover
- high flexibility

Hose Construction

Tube: Black, antistatic ($R < 10^6 \Omega/m$), smooth EPDM nitrosamine free rubber compound, resistant to light-chemical media

Reinforcement: Synthetic textile yarns

Cover: Black, antistatic ($R < 10^6 \Omega/m$), smooth EPDM nitrosamine free rubber compound



- Antistatic tube and cover suitable for Atex applications
- Unmatchable handiness
- Wide range temperature
- Its versatility of use helps to keep a controlled stock
- Nitrosamine free
- Burst Pressure Value 3:1



Temperature Range

-40 °C (-40 °F) to +120 °C (+248 °F)
with peaks to +140 °C (+284 °F)

Tolerances

I.D. ≤ 25 mm according to UNI EN ISO 1307
I.D. > 25 mm according to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH30351270/40	10	17	2.0	300.0	20	0.22	60	Y
IH30351271/40	13	20	2.0	300.0	20	0.26	80	Y
IH30351272/40	15	22	2.0	300.0	20	0.29	90	Y
IH30351273/40	19	27	2.0	300.0	20	0.41	110	Y
IH30351274/40	25	34	2.0	300.0	20	0.60	150	Y
IH36351270/40	32	44	2.0	300.0	20	0.98	320	Y
IH36351271/40	38	51	2.0	300.0	20	1.20	380	Y
IH36351272/40	50	66	2.0	300.0	20	1.76	500	Y



PYTHON NV/L 20

Designed for air, cold and hot water and light-chemical media. Major properties of PYTHON hoses are:

- high ozone resistance
- antistatic resistance
- high temperature resistance
- low temperature resistance
- non-staining cover
- high flexibility

Hose Construction

Tube: Black, antistatic, smooth EPDM nitrosamine free rubber compound, resistant to light-chemical media

Reinforcement: Synthetic textile yarns

Cover: Green, smooth EPDM nitrosamine free rubber compound



- Unmatchable handiness
- Its versatility of use helps to keep a controlled stock
- Wide range temperature
- Nitrosamine free
- Burst Pressure Value 3:1



Tolerances

I.D. ≤ 25 mm according to UNI EN ISO 1307
I.D. > 25 mm according to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +120 °C (+248 °F)
with peaks to +140 °C (+284 °F)

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
IH30351200/40	10	17	2.0	300.0	20	0.22	60	Y	
IH30351201/40	13	20	2.0	300.0	20	0.26	80	Y	
IH30351202/40	15	22	2.0	300.0	20	0.29	90	Y	
IH30351203/40	19	27	2.0	300.0	20	0.41	110	Y	
IH30351204/40	25	34	2.0	300.0	20	0.60	150	Y	
IH36351201/40	32	44	2.0	300.0	20	0.98	320	Y	
IH36351202/40	38	51	2.0	300.0	20	1.20	380	Y	
IH36351203/40	42	56	2.0	300.0	20	1.42	420	Y	
IH36351204/40	50	66	2.0	300.0	20	1.76	500	Y	

PYTHON NY/L 30

Designed for air, cold and hot water and light-chemical media. Major properties of PYTHON hoses are:

- high ozone resistance
- antistatic resistance
- high temperature resistance
- low temperature resistance
- non-staining cover
- high flexibility

Hose Construction

- Tube:** Black, antistatic, smooth EPDM nitrosamine free rubber compound, resistant to light-chemical media
- Reinforcement:** Synthetic textile yarns
- Cover:** Yellow, smooth EPDM nitrosamine free rubber compound



- Unmatchable handiness
- Its versatility of use helps to keep a controlled stock
- Wide range temperature
- Nitrosamine free
- Burst Pressure Value 3:1



Tolerances

I.D. ≤ 25 mm according to UNI EN ISO 1307
I.D. > 25 mm according to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +120 °C (+248 °F)
with peaks to +140 °C (+284 °F)

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH30351250/40	6	14	3.0	450.0	30	0.18	40	Y
IH30351251/40	8	17	3.0	450.0	30	0.25	50	Y
IH30351252/40	10	20	3.0	450.0	30	0.34	60	Y
IH30351253/40	13	23	3.0	450.0	30	0.40	80	Y
IH30351254/40	16	27	3.0	450.0	30	0.52	100	Y
IH30351255/40	19	30	3.0	450.0	30	0.60	110	Y
IH30351256/40	25	37	3.0	450.0	30	0.88	150	Y
IH36351250/40	32	44	3.0	450.0	30	0.95	320	Y
IH36351251/40	38	51	3.0	450.0	30	1.20	380	Y
IH36351252/40	42	56	3.0	450.0	30	1.45	420	N
IH36351253/40	50	66	3.0	450.0	30	1.93	500	Y
IH36351254/20	65	82	3.0	450.0	30	2.50	650	N
IH36351255/20	75	91	3.0	450.0	30	3.08	750	Y
IH36351256/20	100	122	3.0	450.0	30	5.05	1000	N



JUMBO

Suitable for the discharge of hot and cold water, air and light-chemical media in many industrial and agricultural applications.

Hose Construction

- Tube:** Black, smooth EPDM nitrosamine free rubber compound
- Reinforcement:** Synthetic textile yarns
- Cover:** Black, smooth EPDM nitrosamine free rubber compound with three red, longitudinal and different stripes, resistant to abrasion, heat and weathering

Temperature Range

-40 °C (-40 °F) to +120 °C (+248 °F)



- Agriculture, construction and general industrial
- Long lasting embossed type branding
- Three red strips for easy hose identification
- Nitrosamine free
- Burst Pressure Value 3:1



Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight		 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm		
IH30116500/40	13	19	2.0	300.0	20	0.21	75	Y	
IH30116501/40	15	22	2.0	300.0	20	0.28	90	Y	
IH30116502/40	19	27	2.0	300.0	20	0.40	110	Y	
IH30116504/40	25	34	2.0	300.0	20	0.57	150	Y	

E-Z FORM MP

Parker Global Product

Suitable for biodiesel, diesel, ethanol and gasoline in oil suction/return lines, vehicle fuel fill connector lines, drain lines on buses, cranes, mobile off-road equipment. Extremely flexible and lightweight it reduces installation times, eliminates special design, tooling and fabrication cost. Capable of being routed through confined spaces where pre-shaped and formed hose are normally required. Do not use for fuel dispensing or drag across sharp edges or very abrasive surfaces.



- Saves time and costs thanks to easy and quick assembly
- Superior kink resistance, minimal force to bend, outstanding flexibility
- Permanent fittings capability
- Burst Pressure Value 4:1
- Vacuum: 0.9 bar

Hose Construction

Tube: Black CR, antistatic rubber compound
Reinforcement: Multiple textile plies with wire helix
Cover: Black, Greek corrugated CR rubber compound resistant to oil and weathering

Tolerances

According to UNI EN ISO 1307
 Refer to Technical Handbook on page TH34

Temperature Range

ID up to 25 mm: -34 °C (-30 °F) to +121 °C (+250 °F)
 all other sizes: -29 °C (-20 °F) to +93 °C (+200 °F)

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight	min. Bend Radius	in Stock
			MPa	psi	bar			
IH72190500/10	13	23	0.5	75.0	5	0.33	37	Y
IH72190625/10	16	26	0.5	75.0	5	0.39	46	Y
IH72190750/10	19	29	0.5	75.0	5	0.46	51	Y
IH72191000/10	25	35	0.5	75.0	5	0.56	51	Y
IH72191250/10	32	43	0.5	75.0	5	0.75	79	Y
IH72191500/10	38	49	0.5	75.0	5	0.85	99	Y
IH72192000/10	51	63	0.5	75.0	5	1.44	150	Y
IH72192500/10	63.5	76.5	0.5	75.0	5	1.74	221	Y
IH72193000/10	76	90	0.5	75.0	5	2.23	270	Y



OILPRESS N/L 20 - 30

Suitable for multi-purpose applications requiring transfer of many types of fluids and for petroleum products with aromatic content not exceeding 50 %.

Hose Construction

Tube: Smooth, black, oil and fuel resistant NBR rubber compound, suitable for petroleum products with aromatic content not exceeding 50 %

Reinforcement: Synthetic textile yarns

Cover: Smooth, black, self-extinguishing, antistatic ($R < 1 \text{ M}\Omega/\text{m}$) heat, oil, abrasion and weather resistant CR rubber compound



- Agriculture, construction and general industrial
- Suitable for many different fuels included Biodiesel B100
- Two different Working Pressure lines
- Wide range temperature
- Burst Pressure Value 3:1

Tolerances

According to UNI EN ISO 1307

Refer to Technical Handbook on page TH34

Temperature Range

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

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	min. Bend Radius mm		
OILPRESS N/L 20									
IH30832000/40	6	12	2.0	300.0	20	0.12	25	Y	
IH30832001/40	8	14	2.0	300.0	20	0.15	35	Y	
IH30832002/40	10	17	2.0	300.0	20	0.21	40	Y	
IH30832003/40	13	20	2.0	300.0	20	0.26	55	Y	
IH30832004/40	16	23	2.0	300.0	20	0.31	65	Y	
IH30832005/40	19	28	2.0	300.0	20	0.47	80	Y	
IH30832006/40	25	36	2.0	300.0	20	0.74	100	Y	
OILPRESS N/L 30									
IH30832031/40	6	14	3.0	450.0	30	0.18	25	N	
IH30832032/40	8	16	3.0	450.0	30	0.21	30	Y	
IH30832038/40	9	17	3.0	450.0	30	0.24	35	N	
IH30832033/40	10	18	3.0	450.0	30	0.25	40	Y	
IH30832034/40	13	23	3.0	450.0	30	0.40	55	Y	
IH30832035/40	16	27	3.0	450.0	30	0.47	65	N	
IH30832036/40	19	30	3.0	450.0	30	0.60	80	N	
IH30832037/40	25	37	3.0	450.0	30	0.83	100	N	

ARCTIC-EDGE

Parker Global Product

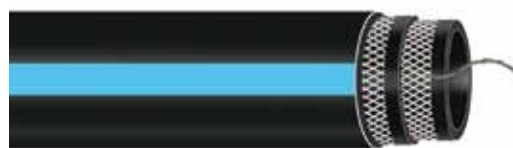
Recommended suitable for air, mild chemicals, water, oil, biodiesel, diesel, ethanol and gasoline to be used in refrigerated applications and cold weather conditions. For agriculture, construction and general industrial. Do not use for fuel dispensing.

Hose Construction

Tube: Black NBR rubber compound.
Reinforcement: Multiple textile plies with static wire
Cover: Black, smooth CR rubber compound resistant to oil and weathering

Temperature Range

-57 °C (-70 °F) to +100 °C (+212 °F)



- High flexibility and kink resistance at extreme low temperatures
- Conductive hose with copper wire
- Cover incorporates a longitudinal blue stripe for easy identification
- Burst Pressure Value 4:1

Tolerances

According to UNI EN ISO 1307
 Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight	min. Bend Radius	in Stock
			MPa	psi	bar			
IH710238304/40	9.5	19	2.0	300.0	20	0.10	96	N
IH710250304/40	13	23	2.0	300.0	20	0.13	127	N
IH710275304/40	19	29.5	2.0	300.0	20	0.17	152	Y
IH7102100304/40	25	37	2.0	300.0	20	0.24	203	Y
IH7102125304/40	32	46	2.0	300.0	20	0.38	228	Y
IH7102138304/40	35	49	2.0	300.0	20	0.40	241	N
IH7102150304/40	38	51.5	2.0	300.0	20	0.42	254	Y



JIFFY

Parker Global Product

Suitable for air, mild chemicals, oil, water, biodiesel, diesel, ethanol and gasoline to be used in air operated paint systems, air tools, transfer lines, vacuum lines. For agriculture, construction and general industrial. Do not use in pulsing applications, airbrake systems or vehicle fuel systems. Push-on couplings do not require bands, clamps or special tools for installation.

Hose Construction

Tube: Black NBR rubber compound, silicone free

Reinforcement: One textile braid

Cover: Black, smooth CR rubber compound MSHA

Temperature Range

-40 °C (-40 °F) to +100 °C (+212 °F)



- Reattachable coupling Parker Series 82 Push-Lok®
- Kink resistant and superior coupling retention
- Flame resistant cover meets MSHA requirements
- Burst Pressure Value 4:1

Tolerances

According to UNI EN ISO 1307

Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH7212251BK/40	6.5	12.5	2.0	300.0	20	0.13	76	Y
IH7212381BK/40	9.5	16	2.0	300.0	20	0.16	76	Y
IH7212501BK/40	13	19	2.0	300.0	20	0.23	127	Y
IH7212631BK/40	16	23	2.0	300.0	20	0.33	152	Y
IH7212751BK/40	19	28	2.0	300.0	20	0.46	178	Y



APERFRUT 20 - 40 - 80

For delivery of air, water and all fungicide products. Particularly suitable for spraying in agriculture. Resistant to compressor oil-mist.

Hose Construction

Tube: Black, smooth, PVC compound
Reinforcement: Synthetic textile yarns
Cover: Orange (20), red (40) and blue (80), smooth, abrasion, and weather-resistant PVC compound

Temperature Range

-15 °C (+5 °F) to +60 °C (+140 °F)



- Colored cover to distinguish WP level
- Multiple fluids for various industrial applications
- Burst Pressure Value 3:1 for 20 and 40 bar
- Burst Pressure Value 2.5:1 for 80 bar

Tolerances

Refer to Technical Handbook on page TH34

Part Number				Working Pressure				Weight		min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm				
APERFRUT 20											
IH35040010/100	8	13	2.0	300.0	20	0.11	30	Y			
IH35040012/100	10	15	2.0	300.0	20	0.14	55	Y			
IH35040014/100	13	19	2.0	300.0	20	0.20	85	Y			
IH35040015/100	16	23	2.0	300.0	20	0.29	90	N			
IH35040016/100	19	26.5	2.0	300.0	20	0.33	100	Y			
APERFRUT 40											
IH35040260/100	8	14	4.0	600.0	40	0.14	30	Y			
IH35040261/100	10	16	4.0	600.0	40	0.17	50	Y			
IH35040114/100	13	21	4.0	600.0	40	0.29	80	Y			
APERFRUT 80											
IH35040268/100	8	15	8.0	1200.0	80	0.17	25	Y			
IH35040270/100	10	18	8.0	1200.0	80	0.23	45	Y			
IH35040214/100	13	23	7.0	1015.0	70	0.38	60	Y			

APERFRUT 20 bar PARKER

APERFRUT 40 bar PARKER

APERFRUT 80 bar PARKER



TE AS ANTISTATIC PU HOSE

Discharge and transfer hose for fluids that develop electrical charges when flowing through the hose. Also suitable for petrol, gasoline and fuels with an aromatic content not exceeding 30 % (at room temperature).

Hose Construction

Polyurethane extruded through one woven polyester ply of reinforcement and dual antistatic wires

Temperature Range

-40 °C (-40 °F) to +80 °C (+176 °F)



- The bright yellow cover provides immediate identification
- Much easier to couple, install and remove than polyethylene pipe
- High performing polymer preserve from fluid contamination
- Burst Pressure Value 2:1

Part Number	Nominal Diameter		Wall (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
	(mm)	(inch)		MPa	psi	bar			
TE15X250MYAS	32	1 ½	2.15	2.7	400.0	27	0.33	–	N
TE20X250MYAS	51	2	2.30	3.1	450.0	31	0.41	–	N



TS SLURRY PU HOSE

TS is a heavy duty slurry discharge and transfer hose. The hose construction features a thick wall for additional abrasion resistance and durability in rugged slurry transfer applications.

Hose Construction

Polyurethane extruded through one woven polyester ply of reinforcement

Temperature Range

-40 °C (-40 °F) to +80 °C (+176 °F)



- Higher wall thickness to achieve longer rubbing resistance
- Much easier to couple, install and remove than polyethylene pipe
- Excellent resistance to internal and external abrasion
- Burst Pressure Value 3:1

Part Number	Nominal Diameter		Wall (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
	(mm)	(inch)		MPa	psi	bar			
TS35X300MN	90	3 ½	3.80	1.7	250.0	17	1.19	–	N
TS40X300MN	102	4	3.80	1.7	250.0	17	1.33	–	N
TS50X300MN	127	5	3.80	1.7	250.0	17	1.59	–	N