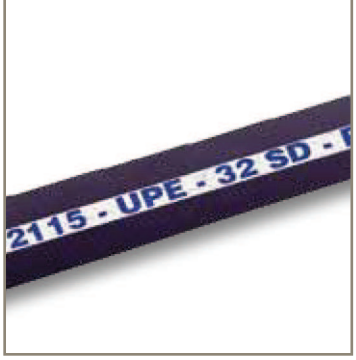
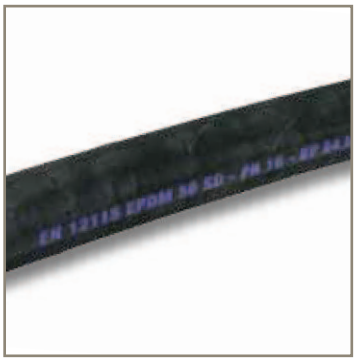
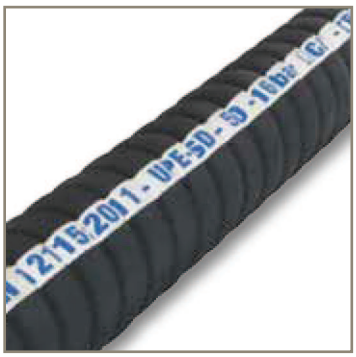
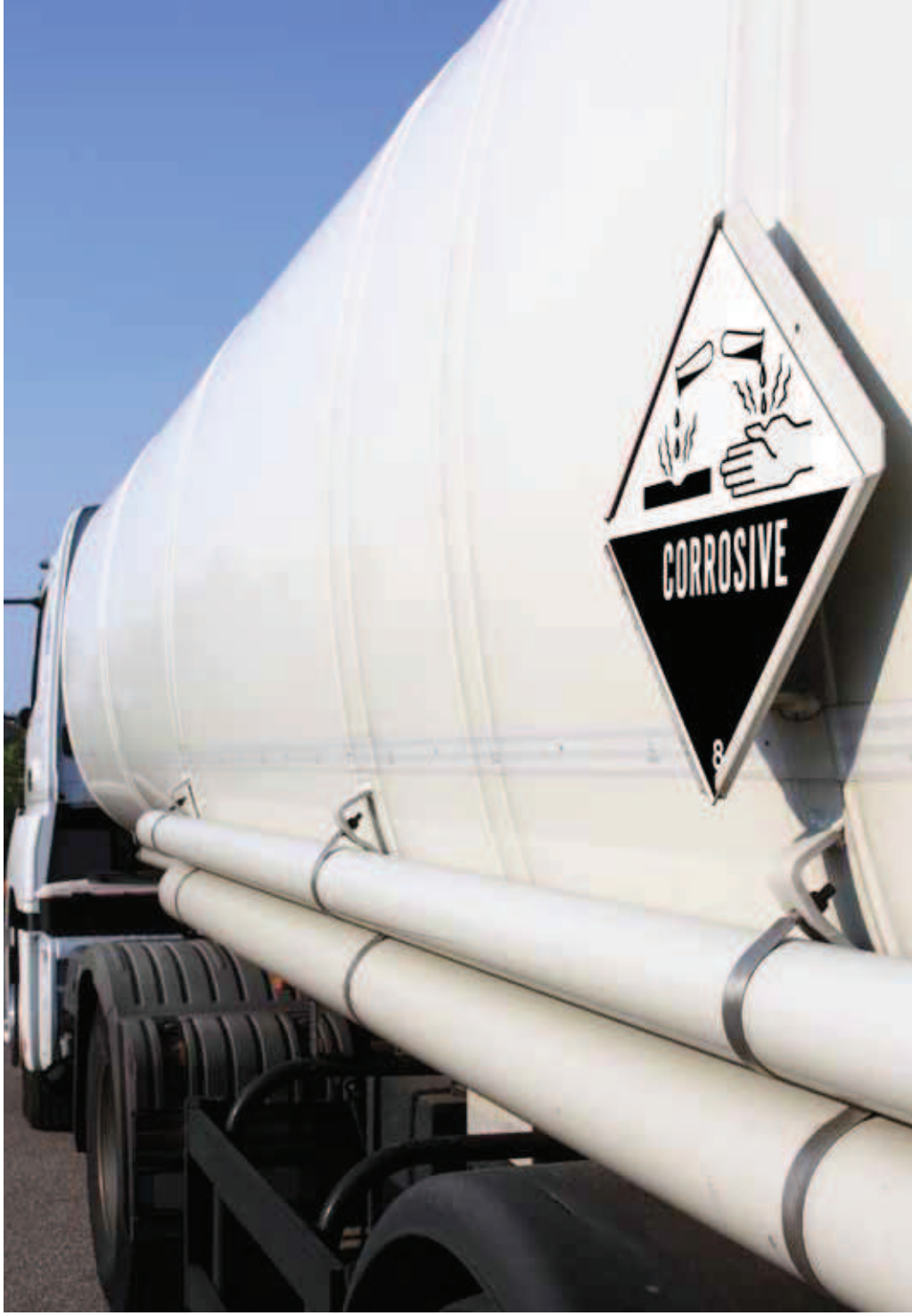




- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding





Acid & Chemicals

Parker

ENGINEERING YOUR SUCCESS.

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.

- 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

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

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.

Tolerances

According to EN 12115

Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure MPa	Working Pressure psi	Working Pressure bar	Weight kg/m	min. Bend Radius mm	in Stock
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 12115:2011 - EPDM - D - I.D. - WP 16 bar - Ω - TRbF 131 T2p. 5.5 - Quarter/Year Parker MADE IN ITALY

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 MΩ/m), EPDM rubber compound, heat, abrasion, ageing and weather resistant

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.

- 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

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure MPa	Working Pressure psi	Working Pressure bar	Weight kg/m	min. Bend Radius mm	in Stock
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 EN 12115:2011 - EPDM - D - I.D. - WP ...bar - Ω - TRbF 131 T2p. 5.5 - Quarter/Year Parker MADE IN ITALY

POLIAX D SM EN 12115

According to EN 12115

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

- 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

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 MΩ/m), EPDM rubber compound, heat, abrasion, ageing and weather resistant

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.

Tolerances

According to EN 12115

Refer to Technical Handbook on page TH34

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure MPa	Working Pressure psi	Working Pressure bar	Weight kg/m	min. Bend Radius mm	in Stock
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 D EN 12115:2011 - EPDM - SD - I.D. - WP ...bar - Ω - TRbF 131 T2p. 5.5 - Quarter/Year Parker MADE IN ITALY

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.

- 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

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 MΩ/m), EPDM rubber compound, heat, abrasion, ageing and weather resistant

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 MPa	Working Pressure psi	Working Pressure bar	Weight kg/m	min. Bend Radius mm	in Stock
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	1.6	232.0	16	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 EN 12115:2011 - UPE - D - I.D. - WP ...bar - Ω - TRbF 131 T2p. 5.5 - Quarter/Year MADE IN ITALY

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.

- 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

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 MΩ/m), EPDM rubber compound, heat, abrasion, ageing and weather resistant

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 MPa	Working Pressure psi	Working Pressure bar	Weight kg/m	min. Bend Radius mm	in Stock
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 EN 12115:2011 - UPE - SD - I.D. - WP ...bar - Ω - TRbF 131 T2p. 5.5 - Quarter/Year MADE IN ITALY

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.

- 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

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 MΩ/m), EPDM rubber compound, heat, abrasion, ageing and weather resistant

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 MPa	Working Pressure psi	Working Pressure bar	Weight kg/m	min. Bend Radius mm	in Stock
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.

POLIAX EN 12115:2011 - UPE - SD - I.D. - WP ...bar - Ω - TRbF 131 T2p. 5.5 - Quarter/Year MADE IN ITALY

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

Temperature Range

-20 °C (-4 °F) to +80 °C (+176 °F)

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

Tolerances

According to UNI EN ISO 1307

Refer to Technical Handbook on page TH34

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

RUBBER HOSE FRUTPRESS W.P. bar MADE IN ITALY