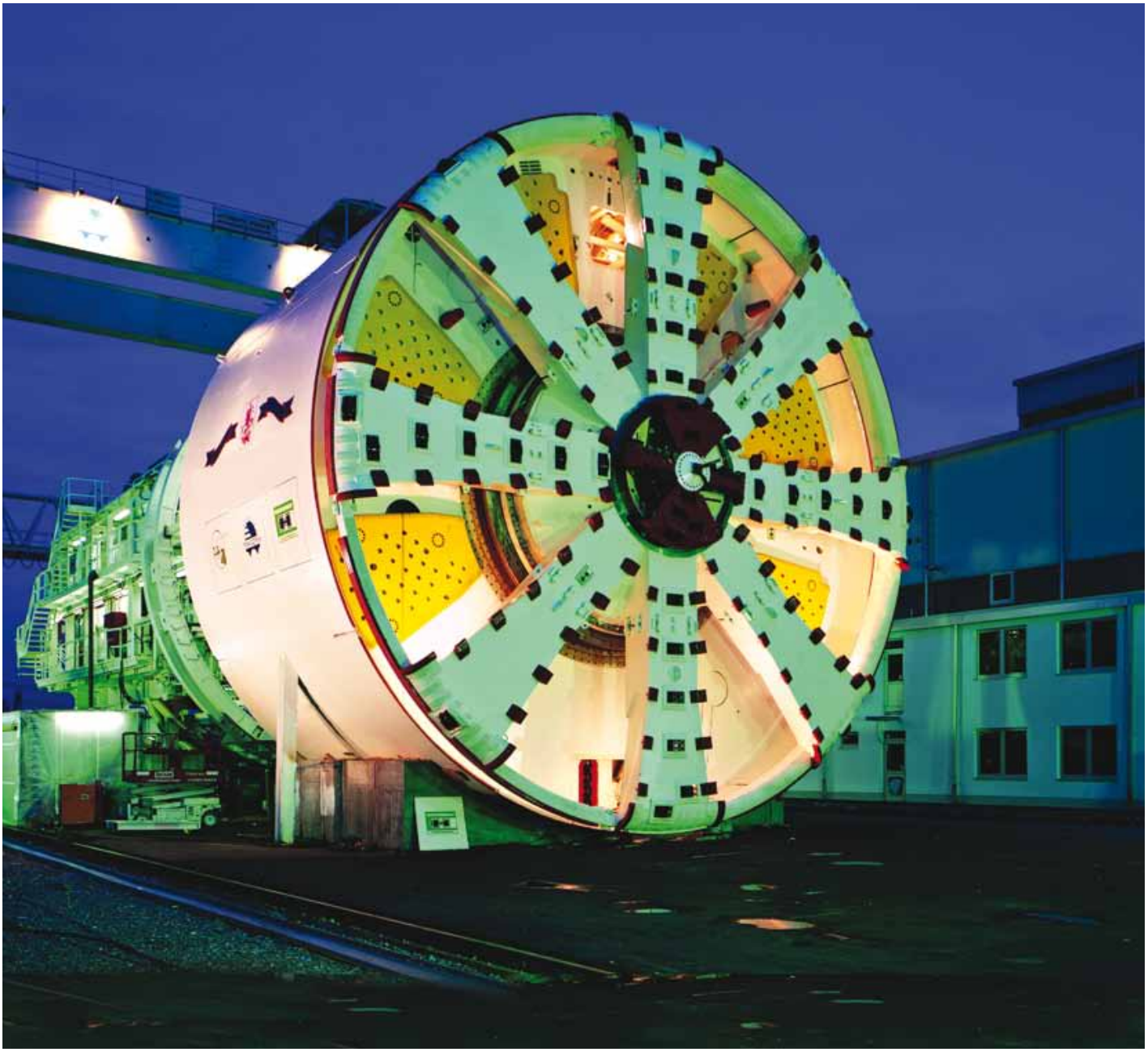

Large Bore

Crimped Industrial Hoses

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filtration
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Large Bore

Departure into new dimensions with crimped industrial hoses

- Crimped hose assemblies instead of clamps solution
- Defined crimp dimensions
- More reliability, safety and more standardisation
- Reduced assembly time
- Special connection types on requests
- Broad range of accessories (protective sleeves, guards and hose whip restraints)

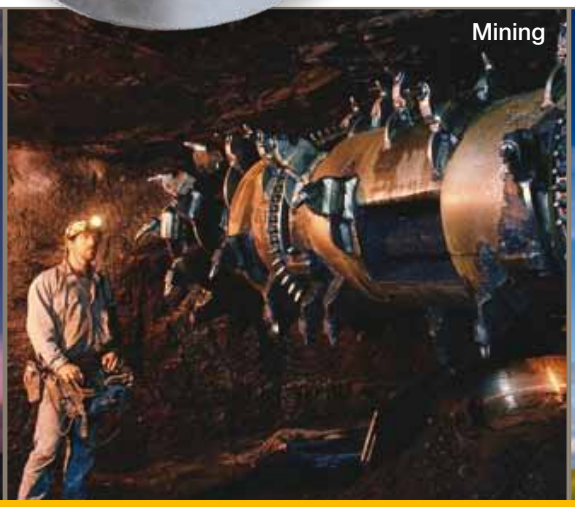
The complete range of large bore crimped return lines based on large bore industrial hoses and its dedicated fittings has been developed for challenging environment conditions and for applications such as the transport of water, fuel and hydraulic oils.

The variety of hoses includes the well-known hose type BEVERA 10 for water applications as well as oil and fuel hoses such as CARBURITE 10 and 16, CHEMIOEL EN 12115 and the new hose CERVINO, specially developed for very low temperatures (-40 °C).



Markets







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The Parker industrial hose range with I.D. of 63.5 / 75 / 100 / 125 / 150 and 200 mm is covered with a new two piece fitting series which can be manufactured with the most common connection configurations such as 3000 psi flanges, Victaulic as well as 45° or 90° elbows and customized solutions (drop lengths and special hose end connections). The proven crimp fitting of series 48 are used for smaller hose diameters up to DN 50 (size -32) with considerable advantages in fitting inventory management (same fitting series for both industrial and hydraulic hose types).

The new fitting range (I.D. ≥ 63.5 mm) has been successfully pressure tested with Nitrogen, which means that the mentioned hoses (and others) are also suitable for air pressure applications up to 16 bar. An important advantage is that the crimped technology is safer and requires less space in comparison to half-shell bonding. With the new large bore crimped return lines, Parker customers will receive special solutions in terms of technical instructions for the production of safe hose assemblies. As for the biggest sizes (up to I.D. 200 mm), Parker can provide ready made assemblies as well. Hose and fittings line specially designed for sturdy services, can be offered with a broad range of accessories, e.g. protection sleeves, guards and safety restraining system.
Finally a complete program for the departure towards new dimensions with large bore crimped industrial hoses is now available.



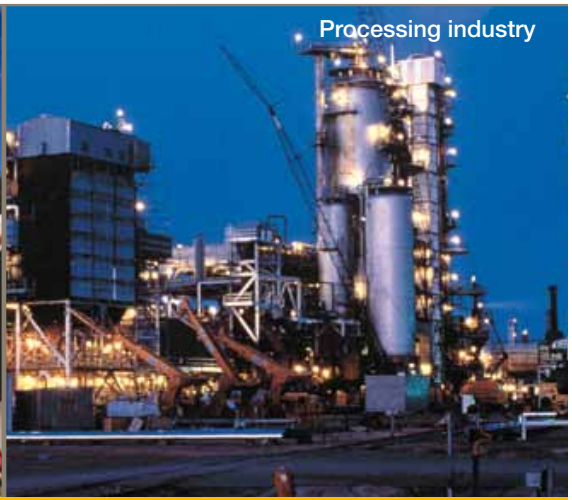


Unique Product Features

- Technology Nitrogen tested for safe air applications
- Space saving compared to clamps technology solution
- Developed for sturdy application – Tested up to safety factor 4:1
- Up to 2”, all common fitting connection types are available with the 48 series fittings
- From 2” on, main connections are SAE 3000 psi flanges (included 45° and 90°)
- Over 4”, Victaulic connection delivered as standard





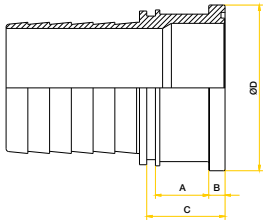


Large Bore Crimp Fittings

Nipple / Shell

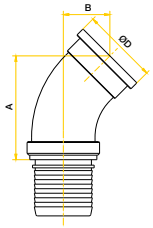
Flange Straight SAE 3000 psi

Nipple Part Number	Nominal diameter DN	A mm	B mm	C mm	ØD mm
IF801111063	63	45	9.60	60.60	84.10
IF801111075	75	42	9.53	57.50	101.60
IF801111100	100	70	11.23	88.00	127.00



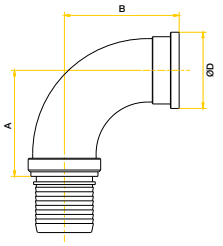
Flange 45° Elbow SAE 3000 psi

Nipple Part Number	Nominal diameter DN	A mm	B mm	ØD mm
IF8011310063	63	51	114	84.10
IF8011310075	75	58	122	101.60
IF8011310100	100	80	161	127.00



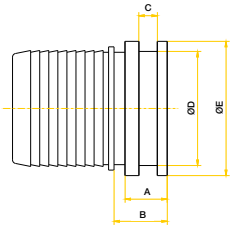
Flange 90° Elbow SAE 3000 psi

Nipple Part Number	Nominal diameter DN	A mm	B mm	ØD mm
IF801121063	63	117	127	84.10
IF801121075	75	131	149	101.60
IF8011210100	100	133	188	127.00



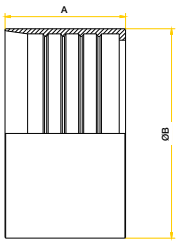
VICTAULIC

Nipple Part Number	Nominal diameter DN	A mm	B mm	C mm	ØD mm	ØE mm
IF801311063	63	40.6	46.6	16	72.3	76.1
IF801311075	75	40.6	46.6	16	84.9	88.9
IF801311100	100	40.6	47.6	16	110.0	114.3
IF8011311125	125	40.6	47.6	16	135.5	141.3
IF8011311150	150	40.6	47.6	16	164.0	168.3
IF8011311200	200	49.9	56.9	19	214.4	219.1



Standard Shell

Shell Part Number	Nominal diameter DN	A mm	ØB mm
IF802001063	63	63	94
IF802001075	75	64	108
IF802001100	100	95	136
IF802001125	125	110	165
IF802001150	150	142	188
IF802001200	200	162	244



Large Bore Crimp Fittings

How to Order

Nipple

Fitting
IF Industrial Fittings

Type
80 Crimped Fittings

DESCRIPTION
1 **Nipple**

Connection
1 Flange SAE 3000 psi
2 Nipple Male BSPP
3 VICTAULIC

End Configuration
1 Straight
2 90° Elbow
3 45° Elbow

Material
1 Steel
2 Brass
3 Stainless Steel

Hose ID
100 Ø100 mm
075 Ø 75 mm
063 Ø 63 mm

IF 80 1 1 1 1 063

Nipple: IF801111063
- Industrial Fittings
- Crimped Fittings
- Nipple
- Flange
- Straight
- Steel
- Ø 63 mm

Shell

Fitting
IF Industrial Fittings

Type
80 Crimped Fittings

DESCRIPTION
2 **Shell**

Connection
00 Standard

Material
1 Steel
2 Brass
3 Stainless Steel

Hose ID
100 Ø100 mm
075 Ø 75 mm
063 Ø 63 mm

IF 80 2 00 1 075

Shell: IF802001075
- Industrial Fittings
- Crimped Fittings
- Shell
- Standard
- Steel
- Ø 75 mm

Large Bore Hoses

- Premium quality compounds ensure maximum performance in the most critical applications such as narrow spaces, extreme weather conditions, high levels of ozone etc.
- The combination of large bore industrial hoses and its dedicated fittings deliver higher performance in terms of safety and reliability, even in tough environment conditions
- Top performers with 16 bar working pressure and 4:1 safety factor are CHEMIOEL and CERVINO
- The new CERVINO is the preferred solution for a variety of outdoor applications (wind power stations) and keeps its original features of flexibility and bending radius even at the lowest temperature conditions
- Parker‘s large bore crimped return lines deliver a strong connection for all industrial applications

CARBURITE 10



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

Part Number / Standard length m	I.D. mm	O.D. mm	Working Pressure MPa	Working Pressure psi	Working Pressure bar	Burst Pressure MPa	Burst Pressure psi	Burst Pressure bar	Weight kg/m	min. Bend Radius mm
IH36531001/40	63.5	75	1.0	150.0	10	3.0	450.0	30	2.09	380
IH36530208/20	75	87	1.0	150.0	10	3.0	450.0	30	2.68	450
IH36530211/20	100	114	1.0	150.0	10	3.0	450.0	30	4.02	600
IH36531010/20	125	140	1.0	150.0	10	3.0	450.0	30	5.66	750
IH36531050/10	150	170	1.0	150.0	10	3.0	450.0	30	7.27	900

Tube: Black, smooth, NBR rubber compound, resistant to oil and fuel with an aromatic content not exceeding 50 %
Reinforcement: Synthetic textile fabrics and embedded steel wire helix
Cover: Black, smooth, antistatic (R<1 MΩ/m), NBR/SBR rubber compound, oil, fuel, abrasion, ageing and weather resistant
Temperature Range: -30 °C (-22 °F) to +80 °C (+176 °F); up to +100 °C (+212 °F) for oil
Suction: Max. 0,8 bar (600 mm Hg)



CARBURITE 16



Suction and delivery of mineral oils and fuels with an aromatic content not exceeding 50 %.

Part Number / Standard length m	I.D. mm	O.D. mm	Working Pressure MPa	Working Pressure psi	Working Pressure bar	Burst Pressure MPa	Burst Pressure psi	Burst Pressure bar	Weight kg/m	min. Bend Radius mm
IH36532660/40	63.5	80	1.6	232.0	16	4.8	696.0	48	2.48	380
IH36532655/40	75	90	1.6	232.0	16	4.8	696.0	48	3.03	450
IH36532656/40	100	116	1.6	232.0	16	4.8	696.0	48	4.45	600
IH36532657/40	125	142	1.6	232.0	16	4.8	696.0	48	5.63	750
IH36532658/15	150	172	1.6	232.0	16	4.8	696.0	48	7.80	900
IH36532659/12	203	235	1.6	232.0	16	4.8	696.0	48	18.45	1400

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, NBR/SBR rubber compound, antistatic (R < 1 MΩ/m) oil, fuel, abrasion, ageing and weather resistant
Temperature Range: -25 °C (-13 °F) to +80 °C (+176 °F)
Suction: Max. 0,8 bar (600 mm Hg)



CHEMIOEL EN 12115



Suction and delivery of mineral oils and fuels with an aromatic content not exceeding 50 %.

Part Number/ Standard length m	I.D. mm	O.D. mm	Working Pressure MPa	Working Pressure psi	Working Pressure bar	Burst Pressure MPa	Burst Pressure psi	Burst Pressure bar	Weight kg/m	min. Bend Radius mm
IH36530234/40	63.5	79	1.6	232.0	16	6.4	928.0	64	2.80	300
IH36530235/40	75	91	1.6	232.0	16	6.4	928.0	64	3.30	350
IH36530236/20	100	116	1.2	180.0	12	4.8	696.0	48	4.70	450

Tube: Black, smooth, NBR rubber compound, resistant to oil and fuel with an aromatic content not exceeding 50 %
Reinforcement: Synthetic textile fabrics, embedded steel wire helix and built-in copper wire to facilitate the electrical connection between the hose and the end couplings
Cover: Black, smooth, NBR/SBR rubber compound, antistatic (R < 1 MΩ/m), oil, fuel, abrasion, ageing and weather resistant
Temperature Range: -25 °C (-13 °F) to +80 °C (+176 °F); up to +100 °C (+212 °F) for oil
Suction: Max. 0,8 bar (600 mm Hg)

EN 12115 NBR - SD 1 I.D. – PN .. – BP .. bar Ω – TRbF 131 T2 p.5.5 - Quarter/Year MADE IN ITALY Parker ITR

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.

Part Number/ Standard length m	I.D. mm	O.D. mm	Working Pressure MPa	Working Pressure psi	Working Pressure bar	Burst Pressure MPa	Burst Pressure psi	Burst Pressure bar	Weight kg/m	min. Bend Radius mm
IH36214061/40	63.5	75	1.0	150.0	10	3.0	450.0	30	2.33	380
IH36214064/20	75	86.5	1.0	150.0	10	3.0	450.0	30	2.75	450
IH36214068/20	100	114	1.0	150.0	10	3.0	450.0	30	3.98	600
IH36211010/20	125	140	1.0	150.0	10	3.0	450.0	30	5.66	750
IH36211050/10	150	170	1.0	150.0	10	3.0	450.0	30	7.73	900

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)
Suction: Max. 0,8 bar (600 mm Hg)

RUBBER WATER HOSE BEVERA W.P. bar MADE IN ITALY Parker ITR

CERVINO



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.

Part Number/ Standard length m	I.D. mm	O.D. mm	Working Pressure MPa	Working Pressure psi	Working Pressure bar	Burst Pressure MPa	Burst Pressure psi	Burst Pressure bar	Weight kg/m	min. Bend Radius mm
IH36530431/40	63.5	79	1.6	232.0	16	6.4	928.0	64	2.80	250
IH36530432/40	75	91	1.6	232.0	16	6.4	928.0	64	3.30	300
IH36530433/40	100	116	1.2	150.0	12	4.8	696.0	48	4.70	400

Tube: Black, smooth, NBR rubber compound, resistant to oil and fuel with an aromatic content not exceeding 50 %
Reinforcement: Synthetic textile fabrics, embedded steel wire helix and built-in copper wire to facilitate the electrical connection between the hose and the end couplings
Cover: Black, smooth, abrasion resistance NBR/SBR rubber compound, antistatic (R < 1 MΩ/m), oil, fuel, low temperature , ageing and weather resistant
Temperature Range: -40 °C (-40 °F) to +80 °C (+176 °F); up to +100 °C (+212 °F) for oil
Suction: Max. 0,8 bar (600 mm Hg)

CERVINO EN 12115 NBR - SD1 I.D. PN..-BP .. bar Ω – TRbF 131 T2 ü-5-5 - Quarter/Year MADE IN ITALY Parker ITR

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