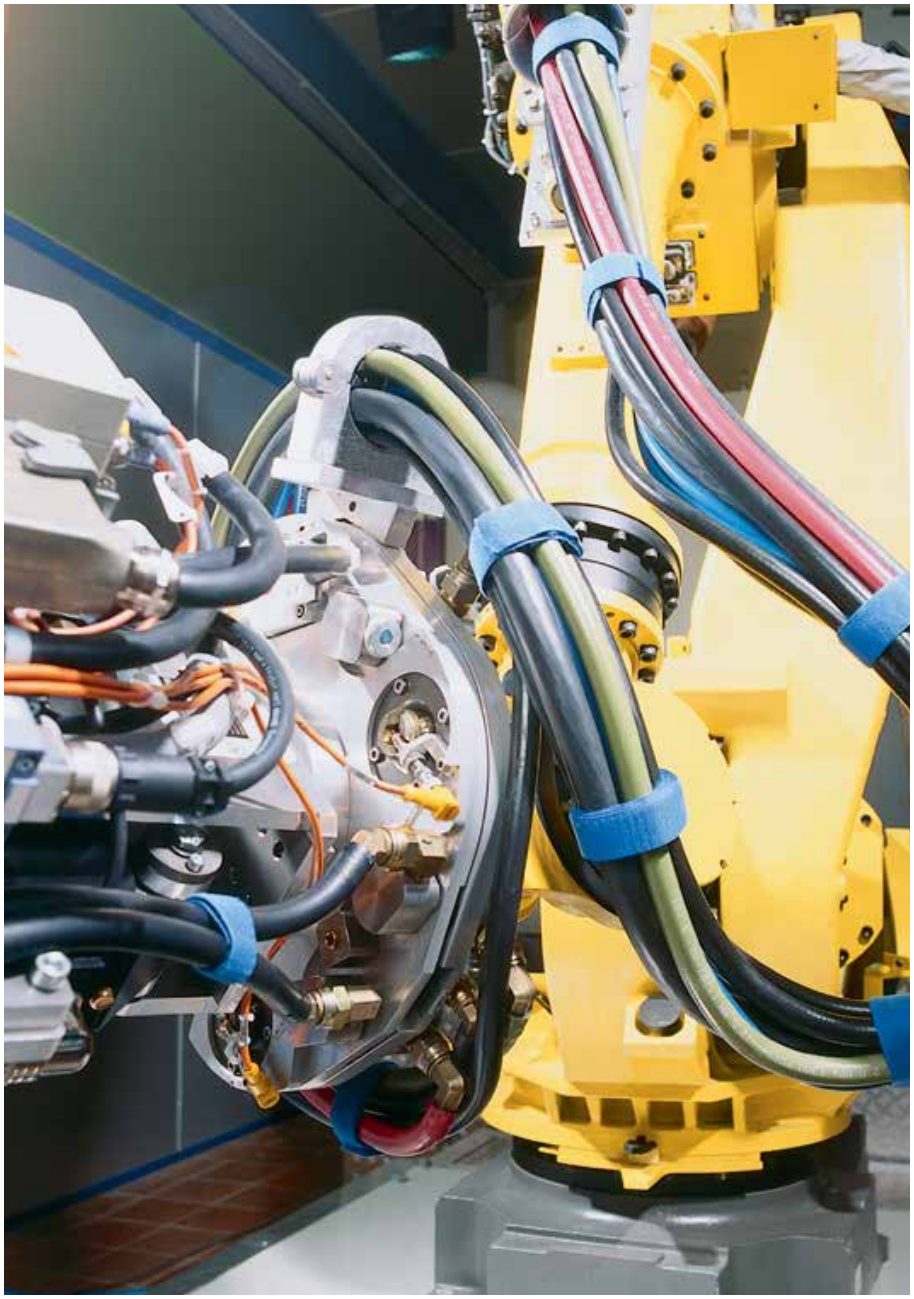
hymatik











Push-Lok Hoses and Fittings

The self-grip hose system for
low-pressure applications



Parker

ENGINEERING YOUR SUCCESS.

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

Low Pressure Push-Lok®

The self-grip hose system for low-pressure applications

Parker's Push-Lok hose line features the widest fluid compatibility, application and size range in the industry. The Push-Lok system is easy to use. No clamps or special tools are required during installation. And with Parker's exclusive color-code system, you can inventory, maintain and identify your hose needs easily and efficiently.
The industry's most complete line of low-pressure hose and fittings,
Push-Lok offers the range and versatility to meet all your instrumentation needs.

One fitting series for all hose types with a wide range of end-configurations

DIN, BSP, SAE, JIC and ORFS connections in

- brass
- steel
- stainless steel



Wide range of hose types

6 x rubber

801PLUS for a variety of applications
804 for high-temperature water/phosphate ester fluids
821FR with fire-retardant hose cover
836, 846 for high oil temperatures
837BM for a variety of applications including automotive

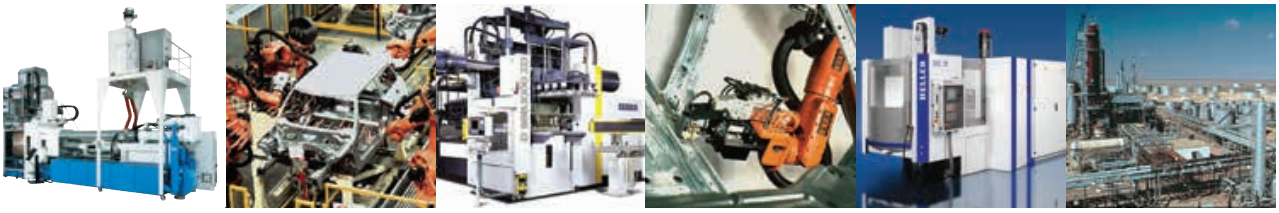
2 x thermoplastic

830M for a variety of applications including automotive
838M for non-conductive applications

1 x hybrid

837PU-PLUS for a variety of high demanding applications including automotive

Wide range of applications



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

The outstanding properties

- Easy assembly and organisation with Parker's exclusive color-code system
- Push-Lok assemblies can be made in seconds, saving valuable time and cost
- The unique seal of Push-Lok ensures reliable, durable, leak-free service
- High functional saftey with a design factor of 4
- Wide range of hose and fittings for a wide range of applications

Exclusive color-code system

6 different colours

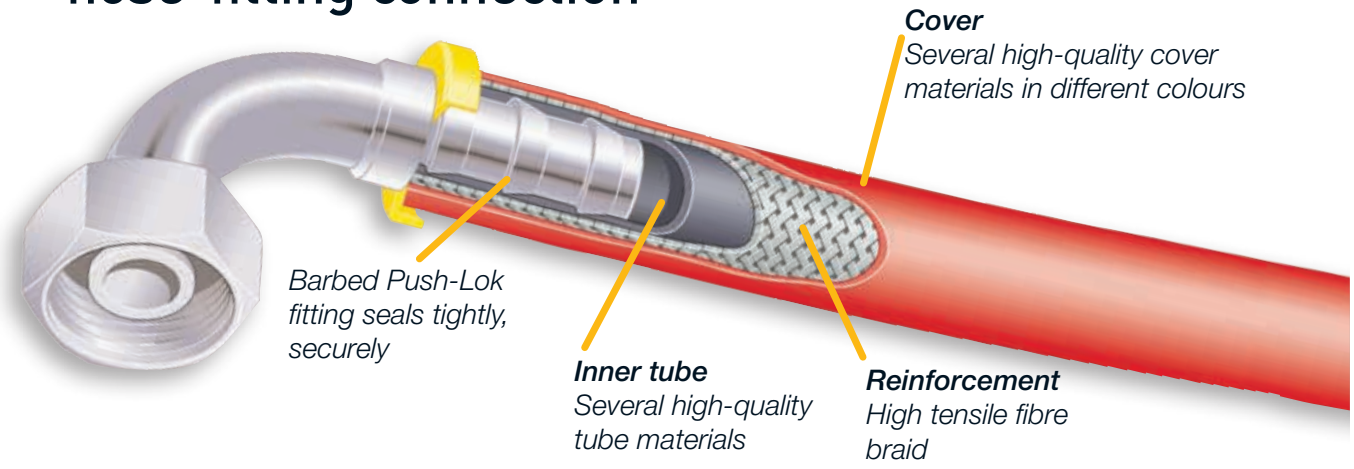
In applications where a number of hose lines carry different media, Push-Lok colors reduce timely "tracing" of lines, preventing disconnection of wrong line and unnecessary, downtime.



Using color-coded Push-Lok hose is an excellent way to:

- Enhance product appearance
- Improve inventory control
- Identify industrial drop lines
- Easy control of maintenance intervals
- Simple stock planning in different departments

Hose construction and hose-fitting connection



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

Push-Lok® multiple applications, durability and

Machine tools

Main applications

- Cooling and cutting fluid circuits
- Compressed air
- Leak oil

Typical requirements

- Abrasive resistance for placing in energy chains
- Resistance to cutting oils, water, emulsions and hydraulic media
- Nick resistance at small bend radii
- Coloured versions for media identification





Recommended hoses



Paper industry

Main applications

- Water and emulsions
- Compressed air

Typical requirements

- Resistance to water emulsions
- Partial high temperature demands
- Good assembly characteristics for in-the-field operation





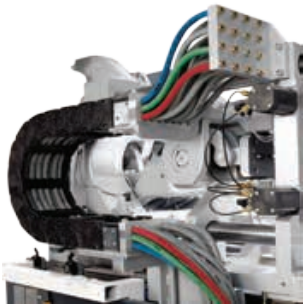
Recommended hoses



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

functional safety

Injection moulding machines





Main applications

- Water circuits for tool cooling and temperature control
- Compressed air
- Leak oil

Typical requirements

- Abrasion resistance for placing in energy chains
- Resistance to water, emulsions and hydraulic media
- Nick resistance at small bend radii
- Coloured versions for media identification
- Good assembly characteristics for in-the-field operation

Recommended hoses



Chemical industry





Main applications

- Water, emulsions and alkalis
- Compressed air

Typical requirements

- Media resistance
- Coloured versions for media identification

Recommended hoses



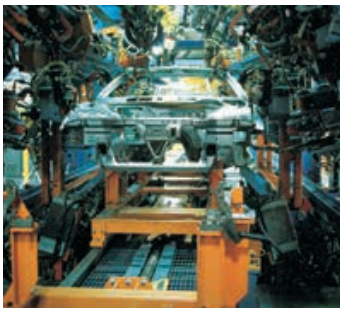
Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

Push-Lok® multiple applications, durability and

Transfer lines

Main applications

- Compressed air (dry and oiled)
- Vacuum



Typical requirements

- Resistance to ultra-dry compressed air
- Vacuum- and nick-resistance at low bend radii
- Free from substances interfering with paint wetting
- Coloured versions for media identification
- Good assembly characteristics for in-the-field assembly



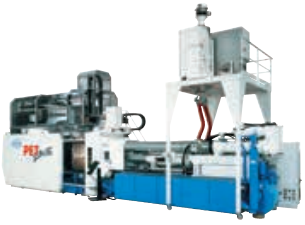
Recommended hoses



PET blow forming machines

Main applications

- Water circuits for tool cooling
- Compressed air



Typical requirements

- Resistance to water and emulsions
- Abrasion and torsion resistance for highly
- Dynamic machine processes
- Coloured versions for media identification



Recommended hoses

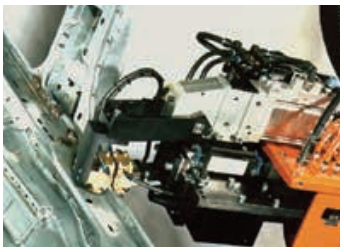


Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

functional safety

Robots and welding installations





Main applications

- Water circuits for welding electrode-holder cooling
- Compressed air (ultra-dry compressed air)
- Vacuum

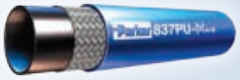
Typical requirements

- Resistance to ultra-dry compressed air, water, emulsions
- Abrasion and torsion resistance in bundles
- Vacuum and nick resistance at low bend radii
- Resistance to weld spatter
- Free from substances interfering with paint wetting
- Coloured versions for media identification

Recommended hoses



830M



837PU-PLUS

Power electronics





Main applications

- Cooling circuits for thyristor controls

Typical requirements

- High electrical resistance
- Special colour identification
- Resistance to water and emulsions

Recommended hoses



838M

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

Push-Lok® hose properties at a glance

801PLUS — Multipurpose — IMPROVED!

has an improved Nitrile (NBR) Tube with extended fluid compatibility and improved oil compatibility and provides quick and easy assembly/disassembly advantage and the fullest range of color-coding to benefit your operations.

Cover Colors: BLK, BLU, RED, GRN, GRA, YEL

804 — Phosphate Ester

features quick and easy assembly and provides an EPDM inner-tube for hot water and phosphate ester fluids. Not to be used in applications with lubricated air or media that is oil based.

Cover Colors: BLK

821FR — Fire retardent

is a very flexible multipurpose hose with a fire-resistant (FR) cover for use near welding operations and general industrial and maintenance applications.

Cover Colors: BLK, BLU, GRN

830M — Multipurpose

with its excellent UV and ozone resistance is ideal for a variety of applications including automotive/robots, hose-bundle systems. The hose is also free of wetting disturbing substances.

Cover Colors: BLK, BLU, RED, GRN

836 — High temperature

with its heat-resistance performance and the MSHA approved synthetic PKR rubber cover is the ideal hose for special high temperature applications up to +150 °C.

Cover Colors: BLK, BLU

837BM — Multipurpose

has a high level of hose flexibility combined with high abrasion resistance and therefore suitable for a variety of applications including automotive as the hose is free from wetting disturbing substances.

Cover Colors: BLK, BLU, RED, GRN, GRA

837PU-Plus — Multipurpose

a Hybrid Push-Lok hose with synthetic tube and high-performance polyurethane cover, can be used for a variety of high demanding applications. Based on high level flexibility, high abrasion and torsion resistance 837PU is ideal for energy chains & hose bundle systems.

Cover Colors: BLK, BLU, RED, GRN, GRA

838M — Non-conductive

is the non-conductive Push-Lok hose with orange polyurethane cover and designed for special electrical requirements e. g. cooling lines with deionized water.

Cover Colors:

846 — High temperature — NEW!

with its very low fitting insertion force is our new-comer in the Push-Lok range. The hose has a blue or black MSHA approved synthetic PKR rubber cover.

Cover Colors: BLK, BLU

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

801PLUS

Push-Lok PLUS

For a variety of applications

IMPROVED!



- Global availibility and performance
- Very flexible
- Available in 6 colours
- Available up to size -16
- Nitrile (NBR) inner tube – extended fluid compatibility
- Improved oil compatibility

Primary Applications

All Markets: For low pressure applications
Paper and Pulp: For water / air applications

Restrictions

Not permitted for use in air brake systems, high dynamic pulsation systems and with dry air.
Not recommended for fuels.

Construction

Tube: Nitrile (NBR)
Reinforcement: High-tensile fibre braid
Cover: High performance synthetic rubber in different colours

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Air, water, water-oil emulsions, water-glycol and mineral based hydraulic respectively lubricating oils.
Consult the chemical compatibility section in catalogue C4400/UK, pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

82

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
801PLUS-4-XXX-RL	6	1/4	-4	6.4	12.7	2.4	350	9.7	1400	95	65	0.13
801PLUS-6-XXX-RL	10	3/8	-6	9.5	15.9	2.4	350	9.7	1400	95	75	0.16
801PLUS-8-XXX-RL	12	1/2	-8	12.7	19.8	2.1	300	8.4	1200	95	125	0.27
801PLUS-10-XXX-RL	16	5/8	-10	15.9	23.0	2.1	300	8.4	1200	51	150	0.28
801PLUS-12-XXX-RL	19	3/4	-12	19.1	26.2	2.1	300	8.4	1200	51	180	0.36
801PLUS-16-XXX-RL	25	1	-16	25.4	32.5	1.4	200	5.6	800	51	250	0.55

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: When ordering, please replace in the part number XXX with the relavant colour code. Example: 801PLUS-4-BLU-RL
For 801PLUS in yellow (YEL) only, please consider the part-number without PLUS. Example: 801-4-YEL-RL

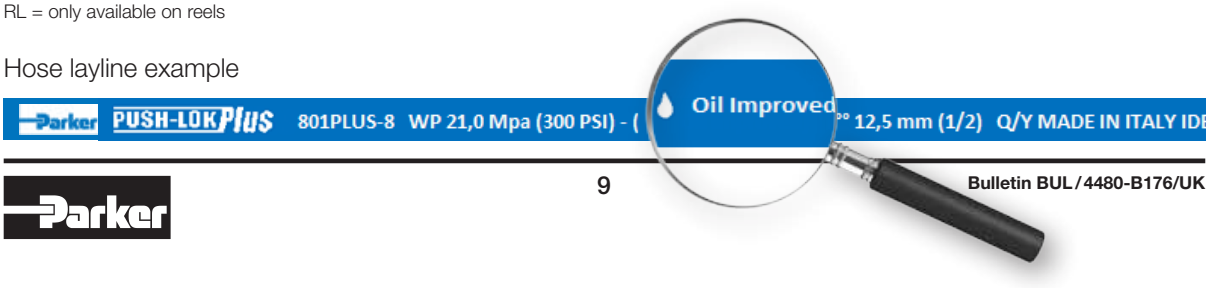
Colour codes

BLK = black
BLU = blue
RED = red
GRN = green
GRA = grey
YEL = yellow



RL = only available on reels

Hose layline example



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

804

Push-Lok

For high temperature
water and phosphate ester fluid



- For hot water up to +93 °C
- For phosphate ester fluids

Primary Applications

Injection Moulding: For special tempering circuits.

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Do not allow tube to contact any petroleum based fluids.

Construction

Tube: EPDM material
Reinforcement: High-tensile fibre braid
Cover: Black EPDM material

Temperature Range ..... -40 °C up to +80 °C

Exception: Air ..... max. +70 °C
Water ..... max. +93 °C

Recommended Fluids

Phosphate ester based hydraulic fluids, water, water glycol emulsions, air. Use liquid soap as lubricant. Consult the chemical compatibility section in catalogue C4400/UK, pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

82

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
804-4-RL	6	1/4	-4	6.4	12.7	1.0	150	4.0	600	51	65	0.13
804-6-RL	10	3/8	-6	9.5	15.9	1.0	150	4.0	600	51	75	0.16
804-8-RL	12	1/2	-8	12.7	19.8	1.0	150	4.0	600	51	130	0.27
804-10-RL	16	5/8	-10	15.9	23.0	1.0	150	4.0	600	51	150	0.28
804-12-RL	19	3/4	-12	19.1	26.2	1.0	150	4.0	600	51	180	0.36

RL = only available on reels

Cover color

Hose layline example

Parker PUSH-LOK 804-8 WP 1,0 MPA (150 PSI) 12,5 mm (1/2) 1Q95

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

821FR

Push-Lok

With fire retardant hose cover



- Fire retardant hose cover
- Very flexible
- For high level air temperatures

Primary Applications

All Markets: For a variety of applications

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels.

Construction

Tube: Synthetic PKR-rubber
Reinforcement: High-tensile fibre braid
Cover: A fire retardant special fiber outer cover in different colors

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +100 °C
Water ..... max. +85 °C

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.
Consult the chemical compatibility section in catalogue C4400/UK, pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

82

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
821FR-4-XXX-RL	6	1/4	-4	6.4	12.7	2.4	350	9.6	1400	95	65	0.12
821FR-6-XXX-RL	10	3/8	-6	9.5	15.9	2.1	300	8.4	1200	95	75	0.16
821FR-8-XXX-RL	12	1/2	-8	12.7	19.8	2.1	300	8.4	1200	95	130	0.18
821FR-12-XXX-RL	19	3/4	-12	19.1	26.2	1.7	250	6.8	1000	95	180	0.33

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: When ordering, please replace in the part number XXX with the relavant colour code. Example: 821FR-4-GRN-RL

Colour codes
BLK = black
BLU = blue
GRN = green



RL = only available on reels

Hose layline example

PARKER PUSH-LOK 821FR-8 WP 2,0 MPa (300 PSI) 12,5 mm (1/2) 11-4Q85

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

830M

Push-Lok

For a variety of applications including automotive



- Chemical resistant for a wide range of fluids
- High abrasion resistance
- Free of wetting disturbing substances (LABS free)
- Small OD and bend radii
- Excellent UV and ozone resistance

Primary Applications

All Markets: For a variety of applications
Robot and Automotive market: For hose bundle systems

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels.

Construction

Tube: Polyurethane material
Reinforcement: High-tensile fibre braid
Cover: High performance polyurethane material in different colours

Temperature Range ..... -40 °C up to +80 °C

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.
Consult the chemical compatibility section in catalogue C4400/UK, pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series



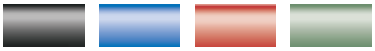
Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
830M-4-XXX-RL	6	1/4	-4	6.4	10.7	1.6	232	6.4	928	10	30	0.08
830M-6-XXX-RL	10	3/8	-6	9.5	14.9	1.6	232	6.4	928	10	50	0.13
830M-8-XXX-RL	12	1/2	-8	12.7	19.1	1.6	232	6.4	928	10	70	0.20
830M-10-XXX-RL	16	5/8	-10	15.9	23.0	1.6	232	6.4	928	10	75	0.26
830M-12-XXX-RL	19	3/4	-12	19.1	26.0	1.6	232	6.4	928	10	110	0.31

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: When ordering, please replace in the part number XXX with the relavant colour code. Example: 830M-4-GRN-RL

Colour codes

BLK = black
BLU = blue
RED = red
GRN = green

RL = only available on reels



Hose layline example

<<<<< Parker PUSH-LOK 830M-6 DN10 WP 1.6 MPa (232 PSI) QC15812345 23/07/16 23:32 <<<<<

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

836

Push-Lok

For high oil temperatures



- Max. oil temperature up to +150 °C
- MSHA approved

Primary Applications

All Markets: Special high temperature applications

Type Approvals

Details please find on pages ***Ab-16*** to ***Ab-19***

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels.

Construction

Tube: Synthetic PKR rubber
Reinforcement: High-tensile fibre braid
Cover: MSHA approved black or blue synthetic PKR rubber

Temperature Range ..... -48 °C up to +150 °C

Exception: Air ..... max. +100 °C
Water ..... max. +85 °C

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.
Consult the chemical compatibility section in catalogue C4400/UK, pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

82

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
836-4-XXX-RL	6	1/4	-4	6.4	12.7	2.8	400	11.2	1600	95	65	0.13
836-6-XXX-RL	10	3/8	-6	9.5	15.9	2.8	400	11.2	1600	95	75	0.16
836-8-XXX-RL	12	1/2	-8	12.7	19.8	2.8	400	11.2	1600	95	100	0.27
836-10-XXX-RL	16	5/8	-10	15.9	23.0	2.4	350	9.6	1400	61	125	0.28
836-12-XXX-RL	19	3/4	-12	19.1	26.2	2.1	300	8.4	1200	61	150	0.36

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: When ordering, please replace in the part number XXX with the relavant colour code. Example: 836-4-BLK-RL

Colour codes
BLK = black
BLU = blue



RL = only available on reels

Hose layline example

PARKER HI-TEMP PUSH-LOK 836-8 WP 1,7 MPa (250 PSI) MSHA IC-40/22 I • • 12,5 mm (1/2)

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

837BM

Push-Lok

For a variety of applications
including automotive



- High level of hose flexibility
- High abrasion resistance
- Free from wetting disturbing substances (LABS free)
- Low push-in forces

Primary Applications

All Markets: For a variety of applications
Automotive: For water / air applications

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels, mineral based hydraulic and lubricating oils and water-oil-emulsion.

Construction

Tube: Synthetic rubber
Reinforcement: High-tensile fibre braid
Cover: High performance synthetic rubber in different colours

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Air, dry air, water and water-glycol-emulsions.
Consult the chemical compatibility section in catalogue C4400/UK, pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
837BM-4-XXX-RL	6	1/4	-4	6.4	12.7	1.6	235	6.4	940	95	65	0.13
837BM-6-XXX-RL	10	3/8	-6	9.5	15.9	1.6	235	6.4	940	95	75	0.16
837BM-8-XXX-RL	12	1/2	-8	12.7	19.8	1.6	235	6.4	940	95	130	0.27
837BM-10-XXX-RL	16	5/8	-10	15.9	23.0	1.6	235	6.4	940	51	150	0.28
837BM-12-XXX-RL	19	3/4	-12	19.1	26.2	1.6	235	6.4	940	51	180	0.36
837BM-16-XXX-RL	25	1	-16	25.4	32.5	1.6	235	6.4	940	51	250	0.55

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: When ordering, please replace in the part number XXX with the relavant colour code. Example: 837BM-4-GRN-RL

Colour codes

BLK = black
BLU = blue
RED = red
GRN = green
GRA = grey

RL = only available on reels



Hose layline example

PARKER PUSH-LOK 837BM-10 WP 1,6 MPa (235 PSI) I • • 16 mm (5/8)

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

837PU-*Plus*

Hybrid Push-Lok

For a variety of high demanding applications



- High level of hose flexibility
- High abrasion resistance
- High torsion resistance
- Free from wetting disturbing substances (LABS free)
- Low push-in forces

Primary Applications

All Markets: For high demand applications
For energy chain systems
Robot and Automotive market:
For hose bundle systems

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels, mineral based hydraulic and lubricating oils and water-oil-emulsion.

Construction

Tube: Synthetic rubber
Reinforcement: High-tensile fibre braid
Cover: High performance polyurethane material in different colours

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Air, dry air, water and water-glycol-emulsions.
Consult the chemical compatibility section in catalogue C4400/UK, pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

82

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
837PU-4-XXX-RL	6	1/4	-4	6.4	12.7	1.6	235	6.4	940	95	30	0.11
837PU-6-XXX-RL	10	3/8	-6	9.5	15.9	1.6	235	6.4	940	95	50	0.15
837PU-8-XXX-RL	12	1/2	-8	12.7	19.8	1.6	235	6.4	940	95	70	0.26
837PU-10-XXX-RL	16	5/8	-10	15.9	23.0	1.6	235	6.4	940	51	90	0.27
837PU-12-XXX-RL	19	3/4	-12	19.1	26.2	1.6	235	6.4	940	51	110	0.33
837PU-16-XXX-RL	25	1	-16	25.4	32.5	1.6	235	6.4	940	51	180	0.52

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: When ordering, please replace in the part number XXX with the relavant colour code. Example: 837PU-4-GRN-RL

Colour codes

BLK = black
BLU = blue
RED = red
GRN = green
GRA = grey

RL = only available on reels



Hose layline example

PARKER PUSH-LOK 837PU-*Plus*-8 WP 1,6 MPa (235 PSI) I ° ° 12,5 mm (1/2)

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

838M

Push-Lok

For non-conductive applications



- Non conductive hose
- High level of hose flexibility
- High abrasion resistance
- Free of wetting disturbing substances (LABS free)
- Small OD and bend radii
- Excellent UV and ozone resistance

Primary Applications

Special Market: For special electrical requirements, e.g. cooling lines with deionized water

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels.

Construction

Tube: Polyurethane material
Reinforcement: High-tensile fibre braid
Cover: Orange coloured polyurethane material

Temperature Range ..... -40 °C up to +80 °C

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, air, water, water-oil emulsions.
Consult the chemical compatibility section in catalogue C4400/UK, pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
838M-4-RL	6	1/4	-4	6.4	11.2	1.6	232	6.4	928	10	30	0.08
838M-6-RL	10	3/8	-6	9.5	15.0	1.6	232	6.4	928	10	50	0.13
838M-8-RL	12	1/2	-8	12.7	19.1	1.6	232	6.4	928	10	70	0.20
838M-10-RL	16	5/8	-10	15.9	23.0	1.6	232	6.4	928	10	75	0.26
838M-12-RL	19	3/4	-12	19.1	26.0	1.6	232	6.4	928	10	110	0.31

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
RL = only available on reels

Cover color

Hose layline example

<<<<< Parker PUSH-LOK 838M-6 DN10 WP 1.6 MPa (232 PSI) QC15812345 23/07/16 23:12 <<<<<

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

846

Push-Lok

For high oil temperatures

NEW!



- For high temperature applications up to + 150 °C
- MSHA approved
- Lower fitting insertion force

Primary Applications

All markets: Special high temperature applications

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels.

Construction

Tube: Synthetic PKR rubber
Reinforcement: High-tensile fibre braid
Cover: MSHA approved black or blue synthetic PKR rubber

Temperature Range ..... -48 °C up to +150 °C

Exception: Air ..... max. +100 °C
Water ..... max. +85 °C

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.
Consult the chemical compatibility section in catalogue C4400/UK, pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
846-4-XXX-RL	6	1/4	-4	6.4	12.6	1.6	230	6.4	930	95	65	0.13
846-6-XXX-RL	10	3/8	-6	9.5	15.8	1.6	230	6.4	930	95	75	0.19
846-8-XXX-RL	12	1/2	-8	12.7	19.8	1.6	230	6.4	930	95	130	0.27
846-10-XXX-RL	16	5/8	-10	15.9	23.1	1.6	230	6.4	930	51	150	0.31
846-12-XXX-RL**	19	3/4	-12	19.1	26.2	1.6	230	6.4	930	51	180	0.36

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: When ordering, please replace in the part number XXX with the relavant colour code. Example: 846-4-GRN-RL

** under development

Colour codes
BLK = black
BLU = blue



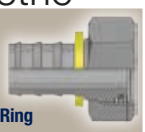
RL = only available on reels

Hose layline example



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

DIN – Metric

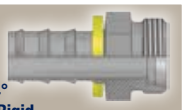
CA

Female Metric 24°
Light Series with O–Ring
Swivel – Straight
ISO 12151-2-SWS-L – DKOL

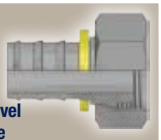
CE

Female Metric 24°
Light Series with O–Ring
Swivel – 45° Elbow
ISO 12151-2-SWE -L – DKOL 45°

CF

Female Metric 24°
Light Series with O–Ring
Swivel – 90° Elbow
ISO 12151-2-SWE-L – DKOL 90°

D0

Male Metric 24°
Light Series – Rigid
Straight
ISO 12151-2-S-L – CEL

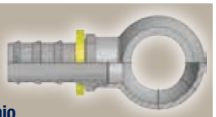
C3

Female Metric
Light Series – Swivel
Straight (Ball Nose
for 24° or 60° Cone) DKL

C4

Female Metric
Light Series – Swivel
45° Elbow (Ball Nose
for 24° or 60° Cone) DKL 45°

C5

Female Metric
Light Series – Swivel
90° Elbow (Ball Nose
for 24° or 60° Cone) DKL 90°

49

Metric Banjo
Straight
DIN 7642

9B

Female Metric Swivel
Light Series
45° Elbow (Ball Nose for 24° or 60° Cone)

9C

Female Metric Swivel
Light Series
90° Elbow (Ball Nose for 24° or 60° Cone)

BSP

92

Female BSP Parallel Pipe
Swivel – Straight (60° Cone)
BS5200-A – DKR

B1

Female BSP Parallel Pipe
Swivel
45° Elbow (60° Cone)
BS 5200-D – DKR 45°

B2

Female BSP Parallel Pipe
Swivel
90° Elbow (60° Cone)
BS 5200-B – DKR 90°

D9

Male BSP Parallel Pipe
Rigid – Straight (60° Cone)
BS5200 – AGR

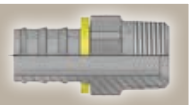
91

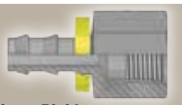
Male BSP Taper Pipe – Rigid
Straight
BS5200 – AGR-K

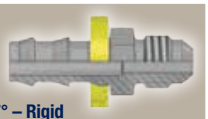
34

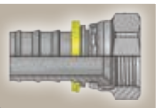
Inch Standpipe (Brass)

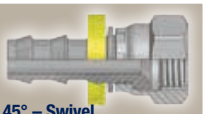
SAE

01

Male NPTF Pipe
Rigid – Straight
SAE J476A / J516 – AGN

02

Female NPTF Pipe – Rigid
Straight
SAE J476A / J516

03

Male JIC 37° – Rigid
Straight
ISO12151-5-S – AGJ

06/68

Female – JIC 37°
SAE 45° Dual Flare
Swivel – Straight
ISO12151-5-SWS – DKJ

08

Female SAE 45° – Swivel
Straight
SAE J516

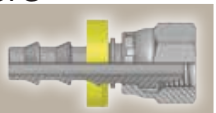
37/3V

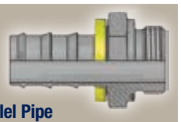
Female JIC 37°
SAE 45° – Dual Flare
Swivel Female 45° Elbow
ISO 12151-5-SWE 45° – DKJ 45°

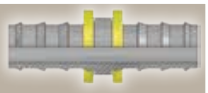
39/3W

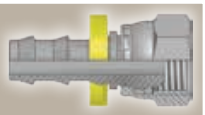
Female JIC 37°
SAE 45° – Dual Flare
Swivel Female 90° Elbow
ISO 12151-5-SWES – DKJ 90°

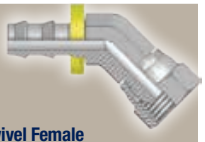
Others

FF

Metru–Lok Swivel Female

AF

Male BSP Parallel Pipe
Rigid – Straight
(with O–ring Seal)

82

Push–Lok® Union

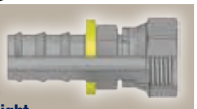
5C

60° Cone Swivel Female

6C

60° Cone Swivel Female
45° Elbow

7C

60° Cone Swivel Female
90° Elbow

ORFS

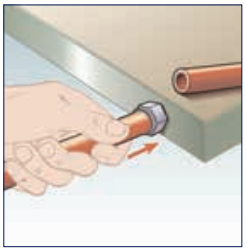
JC

Female ORFS
Swivel – Straight
Short
ISO 12151-1 – SWSA SAE J516 – ORFS

Technical details for these fittings you will find in CAT/4400-UK, section B1b, low pressure, Push-Lok

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

Easy assembly – no tools or clamps required





Assembly Instructions

1. Cut the hose right angled with a sharp knife. If necessary it is possible to use a lubricant (water/soap solution with 5 % soap fluid and 95 % water) for easy assembly.

2. Insert fitting into hose until first barb is in hose. Place end of fitting against a flat object (bench, door, wall) and grip hose approximately 1“ from end and push with a steady force until end of hose is covered by yellow plastic collar. Alternatively please use the Parker Assembly Tool No. 611050G or 611050HV.

Attention!
During assembly, please keep in mind that Push-Lok fittings will provide an effective grip only when the Push-Lok hose is pushed fully on the insert, where the cropped end of the hose should be fully concealed by the plastic collar. **For easy assembly of hose 830M, 837BM and 837PU please use only Push-Lok Assembly Oil No. H896137.** Push-Lok Assembly Oil is free from wetting disturbing substances.
Don’t use oil, lubricant or soap fluids for this hose!





Disassembly Instructions

1. Cut lengthwise along a line at approximately a 20 angle from centre line of hose. The cut should be approximately 1” long.
   Be careful not to nick barbs when cutting the hose.

2. Grip hose and give a sharp down-ward tug to disengage from fitting.

Attention!
Before re-use of the nipple please check nipple for damage. Damaged nipples can cause leakage.

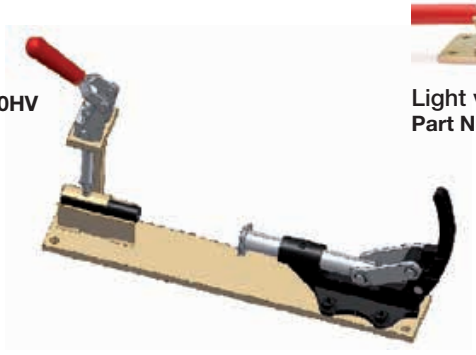
Push-Lok hose assembly tool

Tool designed for assembly of Push-Lok fittings and hose in all sizes. Toggle actions greatly reduce effort necessary to hold hose and press in fitting. Only a few pounds of force is needed on either handle to quickly assemble any size.



Light version
Part Number: 611050G

Heavy version
Part Number: 611050HV





Push-Lok Assembly Oil
1-litre bottle
Part Number: H896137

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates, Dubai
Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BG – Bulgaria, Sofia
Tel: +359 2 980 1344
parker.bulgaria@parker.com

BY – Belarus, Minsk
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

CH – Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budaörs
Tel: +36 23 885 470
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IL – Israel
Tel: +39 02 45 19 21
parker.israel@parker.com

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty
Tel: +7 7273 561 000
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

UK – United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

US – USA, Cleveland
Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

CN – China, Shanghai
Tel: +86 21 2899 5000

HK – Hong Kong
Tel: +852 2428 8008

IN – India, Mumbai
Tel: +91 22 6513 7081-85

JP – Japan, Tokyo
Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul
Tel: +82 2 559 0400

MY – Malaysia, Shah Alam
Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

SG – Singapore
Tel: +65 6887 6300

TH – Thailand, Bangkok
Tel: +662 186 7000

TW – Taiwan, Taipei
Tel: +886 2 2298 8987

South America

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

BR – Brazil, Sao Jose dos Campos
Tel: +55 800 727 5374

CL – Chile, Santiago
Tel: +56 2 623 1216

MX – Mexico, Toluca
Tel: +52 72 2275 4200

European Product Information Centre
Free phone: 00 800 27 27 5374
(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

© 2016 Parker Hannifin Corporation. All rights reserved.

Bulletin BUL/4480-B176/UK 2016-11
punctum

Parker Hannifin Ltd.
Tachbrook Park Drive
Tachbrook Park,
Warwick, CV34 6TU
United Kingdom
Tel.: +44 (0) 1926 317 878
Fax: +44 (0) 1926 317 855
parker.uk@parker.com
www.parker.com

Your local authorized Parker distributor