



Push-Lok Hoses and Fittings

The self-grip hose system for low-pressure applications



ENGINEERING YOUR SUCCESS.

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



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 safety 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

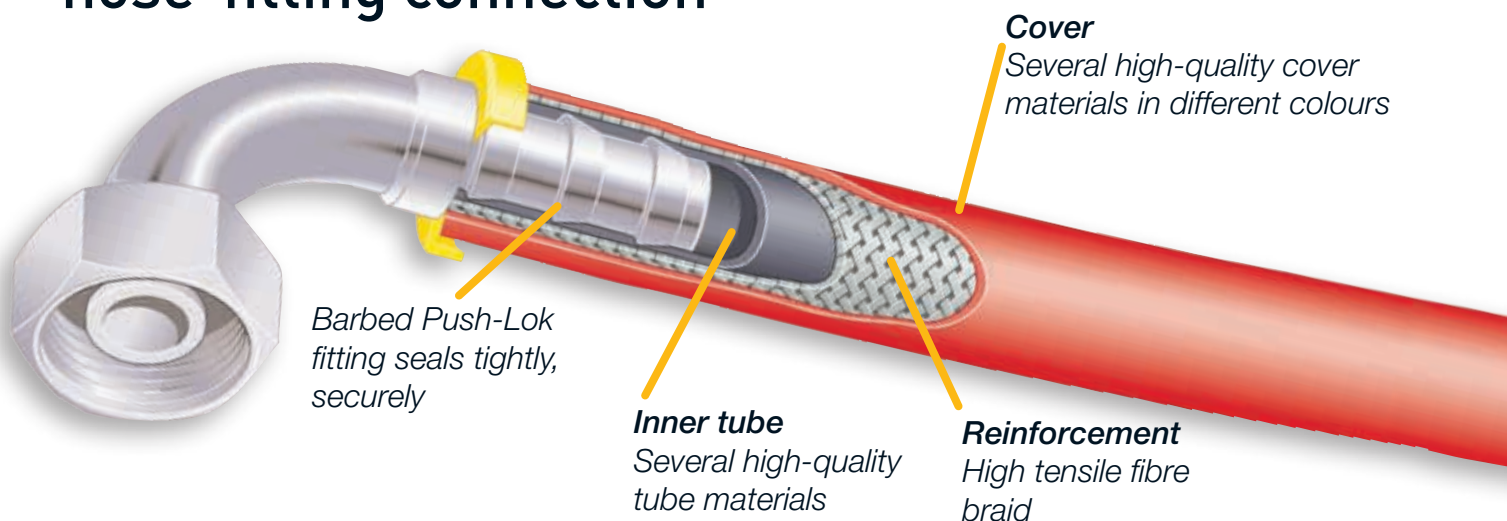
In applications where a number of hose lines carry different media, Push-Lok colors reduce timely "tracing" of lines, preventing disconnection of wrong line and unnecessary, downtime.

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



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



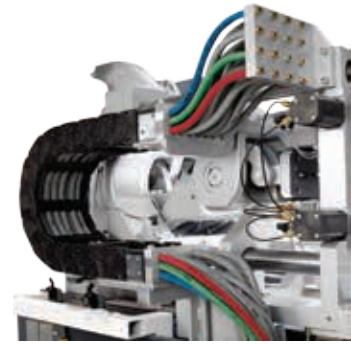
Injection moulding machines

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



Push-Lok® multiple applications, durability and

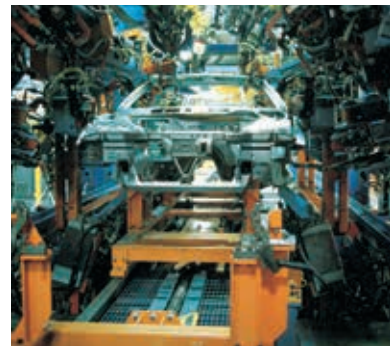
Transfer lines

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



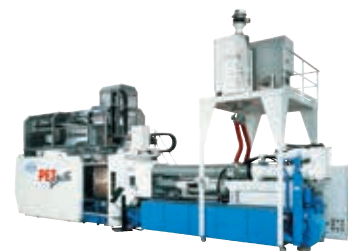
PET blow forming machines

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



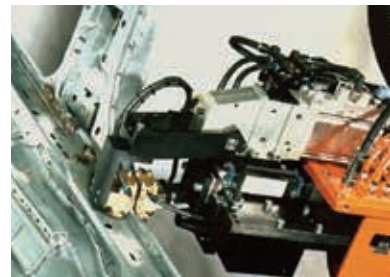
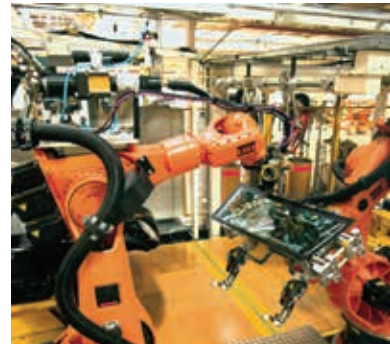
Robots and welding installations

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



Power electronics

Main applications

- Cooling circuits for thyristor controls

Typical requirements

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



Recommended hoses



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 retardant

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 |
|-----|-----|

801PLUS

Push-Lok PLUS

For a variety of applications



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



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

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



| Part Number | Hose I.D. | | | | Hose O.D. mm | Pressure Rating | | | | Vacuum* kPa | min. bend radius mm | weight kg |
|-------------------|-----------|------|------|------|-----------------|-----------------------|-----|---------------------|------|----------------|------------------------|--------------|
| | DN | Inch | Size | mm | | max. working pressure | | min. burst pressure | | | | |
| | | | | | | MPa | psi | MPa | psi | | | |
| 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 relevant 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

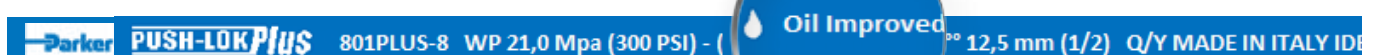
Colour codes

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



RL = only available on reels

Hose layline example



804

Push-Lok

For high temperature water and phosphate ester fluid

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



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

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

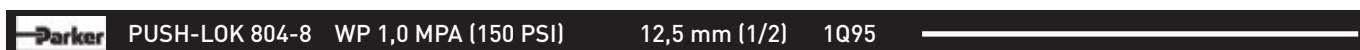


| Part Number | Hose I.D. | | | | Hose O.D. mm | Pressure Rating | | | | Vaccum* kPa | min. bend radius mm | weight kg |
|-------------|-----------|------|------|------|-----------------|------------------------------|-----|----------------------------|-----|----------------|------------------------|--------------|
| | DN | Inch | Size | mm | | max. working pressure MPa | psi | min. burst pressure MPa | psi | | | |
| 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



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

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.

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

Exception: Air max. +100 °C

Water max. +85 °C

Fitting Series



| Part Number | Hose I.D. | | | | Hose O.D. mm | Pressure Rating | | | | Vacuum* kPa | min. bend radius mm | weight kg |
|-----------------|-----------|------|------|------|-----------------|-----------------------|-----|---------------------|------|----------------|------------------------|--------------|
| | DN | Inch | Size | mm | | max. working pressure | | min. burst pressure | | | | |
| | | | | | | MPa | psi | MPa | psi | | | |
| 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 relevant 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

830M

Push-Lok

For a variety of applications including automotive

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



- 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

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. mm | Pressure Rating | | | | Vacuum* kPa | min. bend radius mm | weight kg |
|----------------|-----------|------|------|------|-----------------|------------------------------|-----|----------------------------|-----|----------------|------------------------|--------------|
| | DN | Inch | Size | mm | | max. working pressure MPa | psi | min. burst pressure MPa | psi | | | |
| 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 relevant 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



836

Push-Lok

For high oil temperatures

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



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

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. mm | Pressure Rating | | | | Vacuum* kPa | min. bend radius mm | weight kg |
|---------------|-----------|------|------|------|-----------------|------------------------------|-----|----------------------------|------|----------------|------------------------|--------------|
| | DN | Inch | Size | mm | | max. working pressure MPa | psi | min. burst pressure MPa | psi | | | |
| 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 relevant 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)

837BM

Push-Lok

For a variety of applications including automotive

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



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

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. mm | Pressure Rating | | | | Vacuum* kPa | min. bend radius mm | weight kg |
|-----------------|-----------|------|------|------|-----------------|------------------------------|-----|----------------------------|-----|----------------|------------------------|--------------|
| | DN | Inch | Size | mm | | max. working pressure MPa | psi | min. burst pressure MPa | psi | | | |
| 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 relevant 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] | • • 16 mm [5/8]

837PU-Plus

Hybrid Push-Lok

For a variety of high demanding applications

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



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

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. mm | Pressure Rating | | | | Vacuum* kPa | min. bend radius mm | weight kg |
|-----------------|-----------|------|------|------|-----------------|-----------------------|-----|---------------------|-----|----------------|------------------------|--------------|
| | DN | Inch | Size | mm | | max. working pressure | | min. burst pressure | | | | |
| | | | | | | MPa | psi | MPa | psi | | | |
| 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 relevant 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



838M

Push-Lok

For non-conductive applications

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



- 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

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. mm | Pressure Rating | | | | Vaccum* kPa | min. bend radius mm | weight kg |
|-------------|-----------|------|------|------|-----------------|------------------------------------|-----|----------------------------------|-----|----------------|---------------------------|--------------|
| | DN | Inch | Size | mm | | max. working pressure MPa | psi | min. burst pressure MPa | psi | | | |
| 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



846

Push-Lok

For high oil temperatures



Primary Applications

All markets: Special high temperature applications

Restrictions

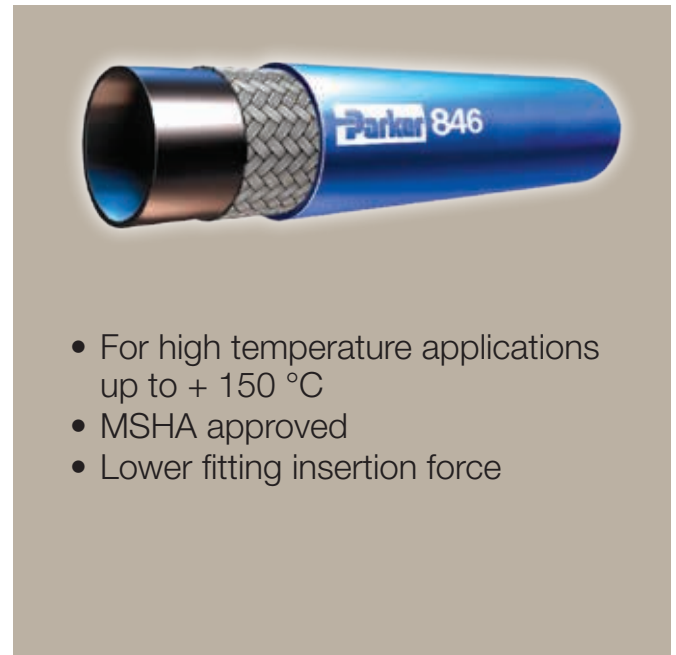
Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels.

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. mm | Pressure Rating | | | | Vacuum* kPa | min. bend radius mm | weight kg |
|-----------------|-----------|------|------|------|-----------------|------------------------------|-----|----------------------------|-----|----------------|------------------------|--------------|
| | DN | Inch | Size | mm | | max. working pressure MPa | psi | min. burst pressure MPa | psi | | | |
| 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 relevant colour code. Example: 846-4-GRN-RL

** under development

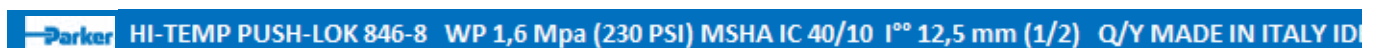
Colour codes

BLK = black
BLU = blue

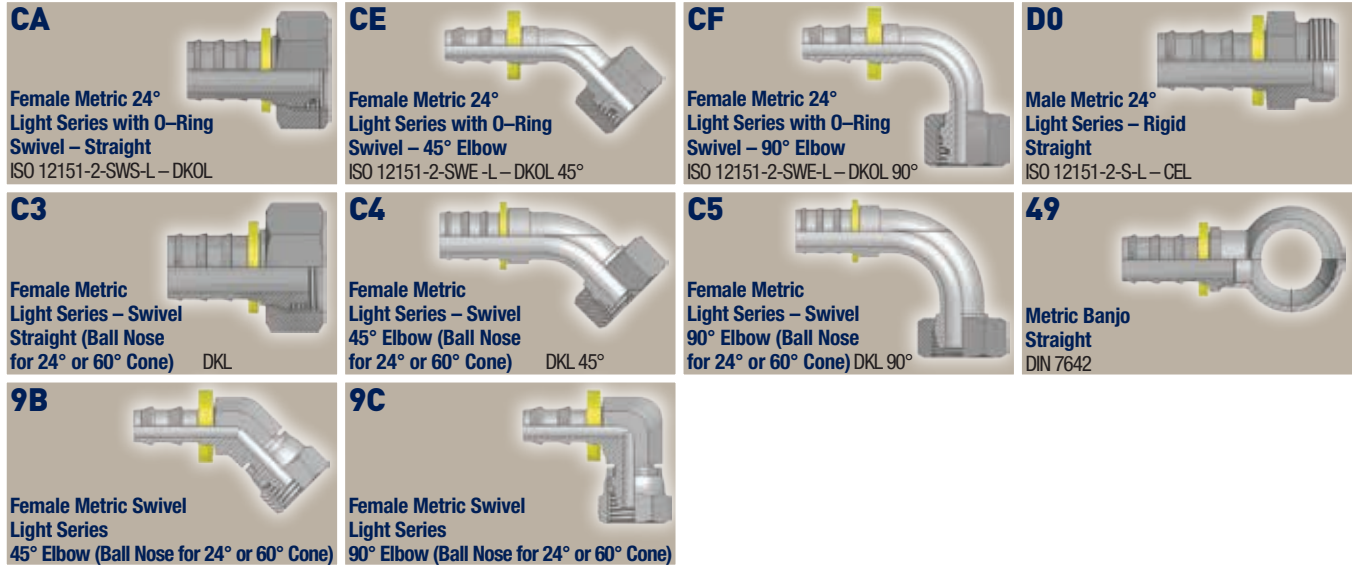


RL = only available on reels

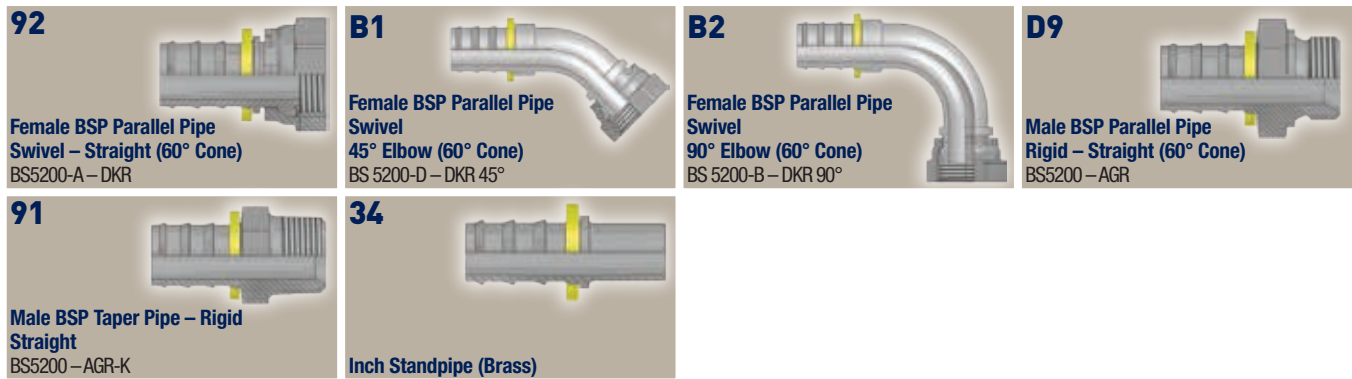
Hose layline example



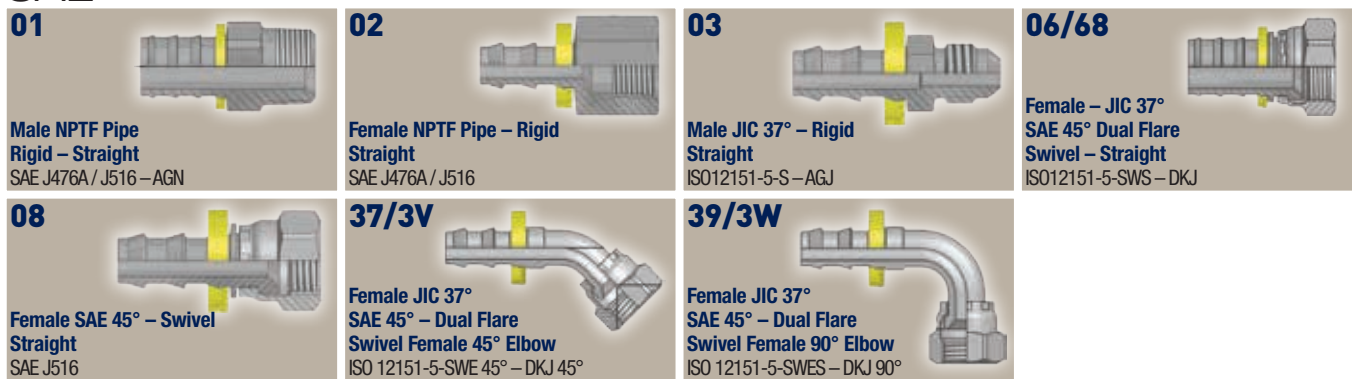
DIN – Metric



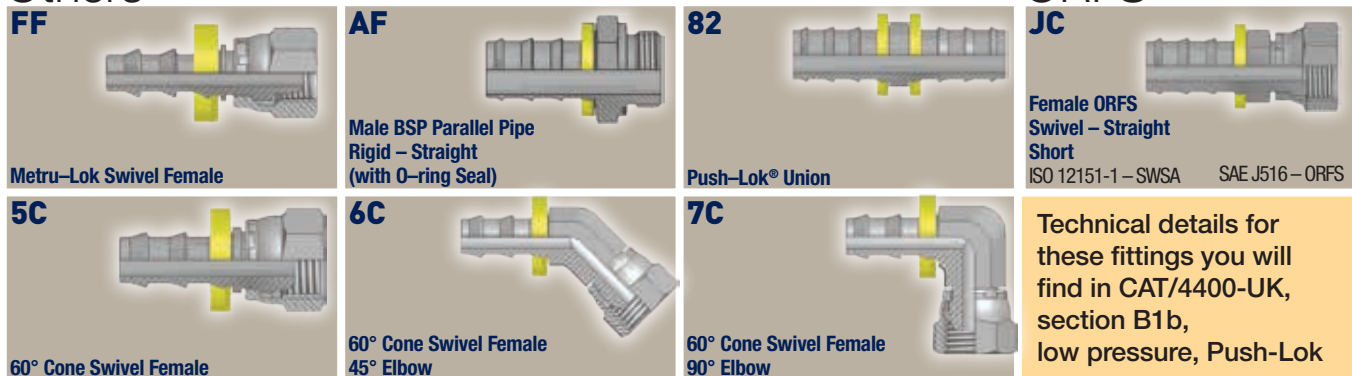
BSP



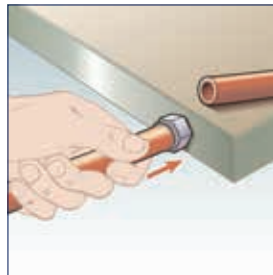
SAE



Others



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.

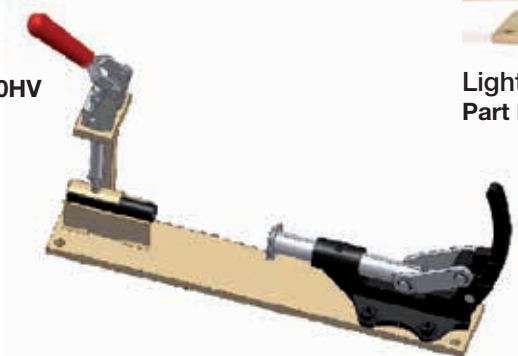
Push-Lok hose assembly tool

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



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