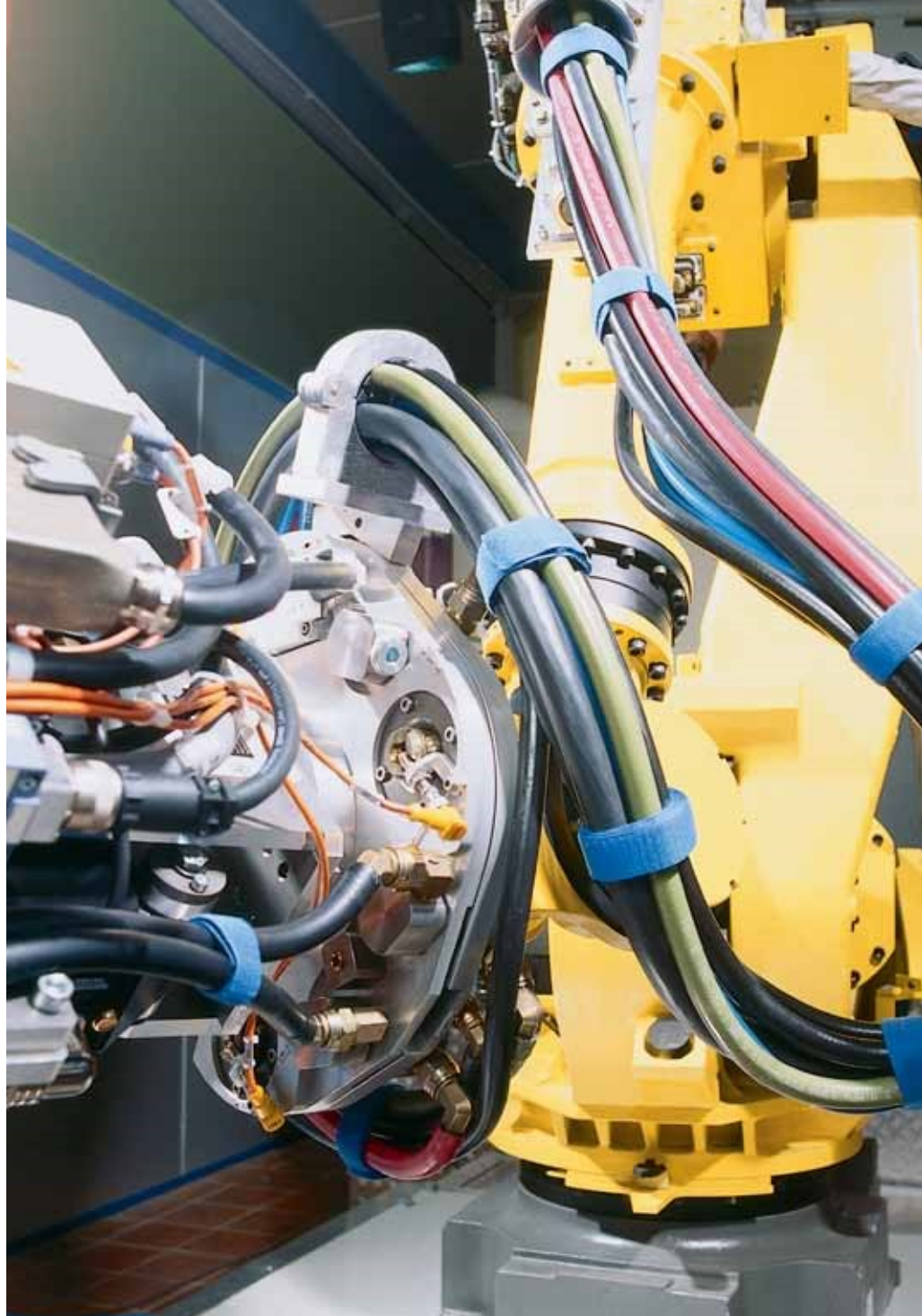




aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Hydraulic Hoses, Fittings and Equipment

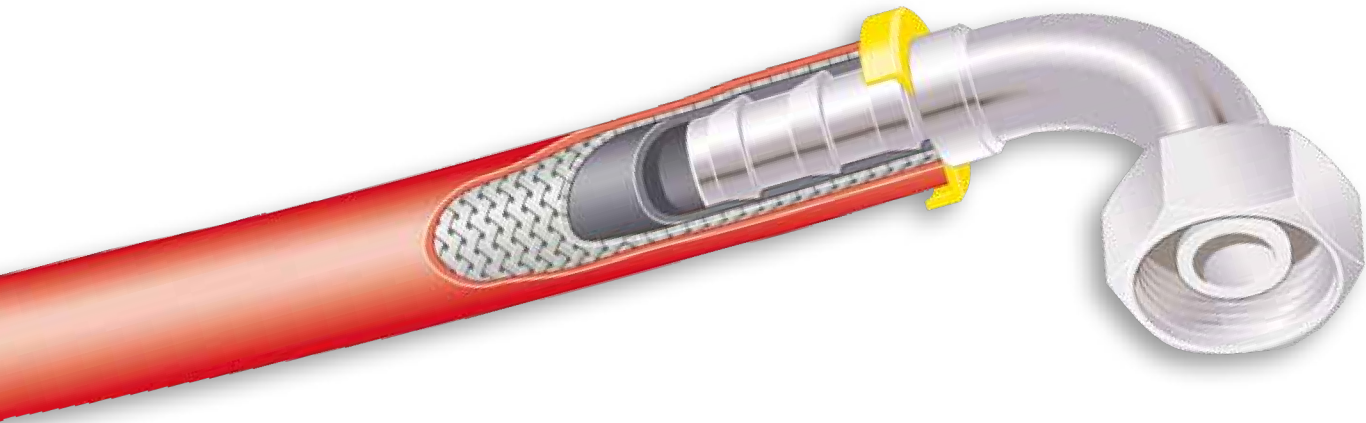
Low Pressure



ENGINEERING YOUR SUCCESS.

Low Pressure Push-Lok®

The self-grip hose system for low-pressure applications



One fitting series for all hose types

with DIN, BSP, SAE, JIC and ORFS connections in brass, steel and stainless steel



Wide variety of hose types

6 rubber hose types

- 801Plus** for a variety of applications
- 804** for high-temperature water/phosphate ester fluids
- 821FR** with fire-retardant hose cover
- 831** ideal for petroleum-based fluids
- 836** for high oil temperatures
- 837BM** for a variety of applications including automotive

2 thermoplastic hose types

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

1 hybrid hose type

- 837PU-Plus** for a variety of applications including automotive

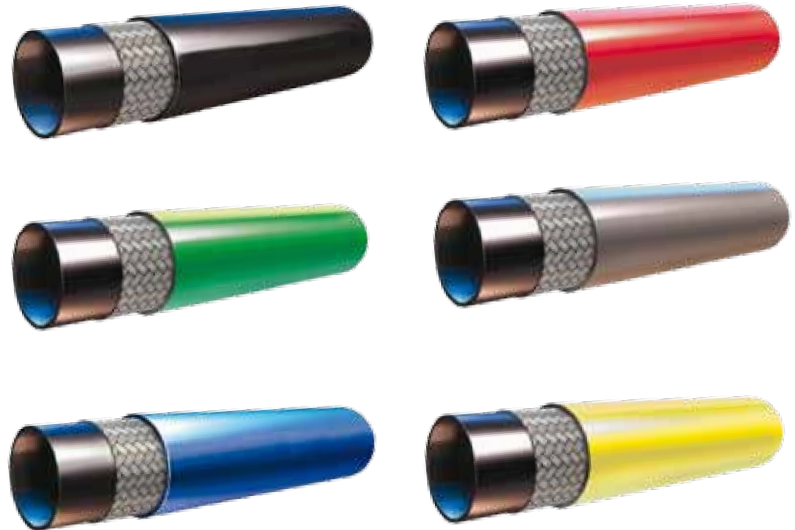
Applications

Push-Lok® hoses offer variety, excellent performance and durability for the following applications



6 different colours

- easy identification
- simple production processes
 - one colour for one particular medium
- easy control of maintenance intervals
- simple stock planning in different departments



Easy assembly – no tools or clamps required

Push-Lok® assembly (1a, b)

- Cut the hose with a sharp knife
- Push the nipple into the hose – that's all!



Push-Lok® disassembly (2a, b)

- Cut lengthwise along a line at approximately a 20° angle from the centre line of the hose. The cut should be approximately 2 cm long. Be careful not to nick barbs when cutting the hose.
- Grip hose and give a sharp downward tug to disengage from fitting.
- Before re-using the nipple, please check it for any damage.



Low Pressure Push-Lok

Hoses		Page
801Plus	Multipurpose	B1a-1
804	Phosphate Ester	B1a-2
821FR	Fire retardant	B1a-3
830M	Multipurpose	B1a-4
831	Multipurpose	B1a-5
836	High temperature	B1a-6
837BM	Multipurpose	B1a-7
837PU	Multipurpose	B1a-8
838M	Non-conductive	B1a-9

Fittings Series	82
Chapter	B1b
DIN – Metric	1 – 7
BSP	8 – 10
SAE	11 – 14
ORFS	15
Others	16 – 18
Assembly Instructions / Tools	19

Parker Hannifin assumes no liability for typographical errors or other errors

Multipurpose

801Plus

B1a-1



Push-Lok Plus
For a variety of applications

837PU-Plus
B1a-8



Hybrid Push-Lok
For a variety of applications
including automotive

830M

B1a-4



Push-Lok
For a variety of applications
including automotive

831

B1a-5



Push-Lok
Ideal for petroleum based fluids

837BM

B1a-7



Push-Lok
For a variety of applications
including automotive

Phosphate Ester

804

B1a-2



Push-Lok
For high temperature
water and phosphate ester fluid

High temperature

836

B1a-6



Push-Lok
For high oil temperatures

Fire retardant

821FR

B1a-3



Push-Lok
With fire retardant hose cover

Non-conductive

838M

B1a-9



Push-Lok
For non-conductive applications

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.
Not suitable for high dynamic pulsation systems.
Not recommended for fuels (petrol, diesel etc.).
Not recommended for mineral based hydraulic and lubricating oils.

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



- Very flexible
- Wide range of colours
- Available up to size -16

Recommended Fluids

Air, water, water-oil-emulsions and water-glycol-emulsions.
Consult the chemical compatibility section on 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			
801-4-XXX-RL	6	1/4	-4	6.4	12.7	2.4	350	9.7	1400	95	65	0.13
801-6-XXX-RL	10	3/8	-6	9.5	15.9	2.4	350	9.7	1400	95	75	0.16
801-8-XXX-RL	12	1/2	-8	12.7	19.8	2.1	300	8.4	1200	95	125	0.27
801-10-XXX-RL	16	5/8	-10	15.9	23.0	2.1	300	8.4	1200	51	150	0.28
801-12-XXX-RL	19	3/4	-12	19.1	26.2	2.1	300	8.4	1200	51	180	0.36
801-16-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, specify Push-Lok hose part number, followed by size, followed by colour. Example: 801-4-XXX-RL

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



Example: 801-4-GRN-RL (green)

Hose layline example



Hose

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.
Not suitable for 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 on pages **Ab-26** to **Ab-34** for more detailed information.

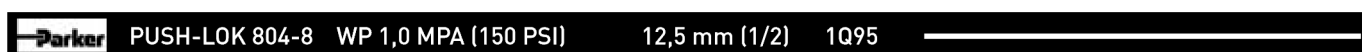
Fitting Series



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		min. burst pressure				
						MPa	psi	MPa	psi			
804-4-RL	6	1/4	-4	6.4	12.7	1.7	250	6.8	1000	51	65	0.13
804-6-RL	10	3/8	-6	9.5	15.9	1.7	250	6.8	1000	51	75	0.16
804-8-RL	12	1/2	-8	12.7	19.8	1.7	250	6.8	1000	51	130	0.27
804-12-RL	19	3/4	-12	19.1	26.2	1.7	250	6.8	1000	51	180	0.28

RL = only available on reels

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.
Not suitable for high dynamic pulsation systems.
Not recommended for fuels (petrol, diesel etc.)

Construction

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

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 on 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			
821FR-4-XXX-RL	6	1/4	-4	6.4	12.7	2.4	350	9.7	1400	95	65	0.12
821FR-6-XXX-RL	10	3/8	-6	9.5	15.9	2.0	300	8.3	1200	95	75	0.16
821FR-8-XXX-RL	12	1/2	-8	12.7	19.8	2.0	300	8.3	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

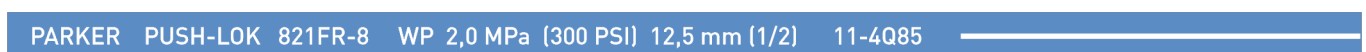
Note: when ordering, specify Push-Lok hose part number, followed by size, followed by colour. Example: 821FR-4-XXX-RL

XXX = BLK = black
BLU = blue
GRN = green



Example: 821FR-4-GRN-RL (green)
RL = only available on reels

Hose layline example



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.
Not suitable for high dynamic pulsation systems.
Not recommended for fuels (petrol, diesel etc.)

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 on 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			
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	90	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, specify Push-Lok hose part number, followed by size, followed by colour. Example: 830M-4-XXX-RL

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

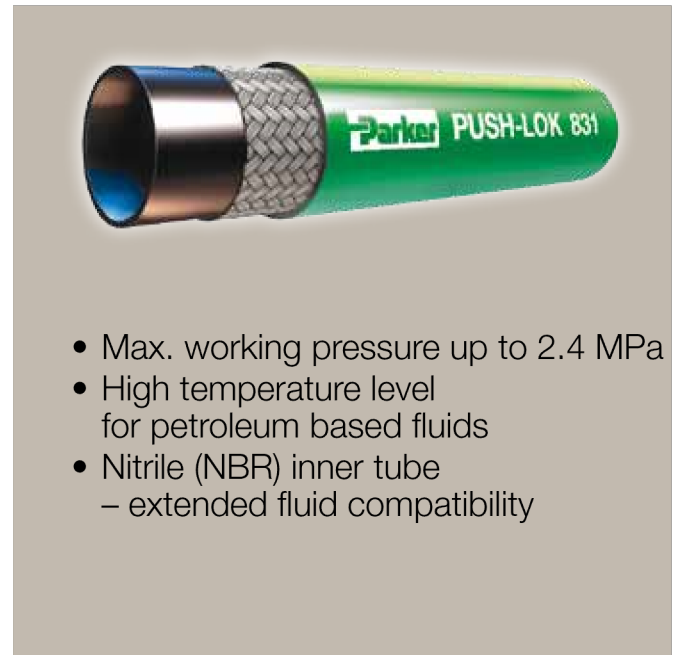


Example: 830M-4-GRN-RL (green)
RL = only available on reels

831

Push-Lok

Ideal for petroleum based fluids



- Max. working pressure up to 2.4 MPa
- High temperature level for petroleum based fluids
- Nitrile (NBR) inner tube – extended fluid compatibility

Primary Applications

All Markets: For a wide range of fluids

Restrictions

Not permitted for use in air brake systems.
Not suitable for high dynamic pulsation systems.
Not recommended for fuels (petrol, diesel etc.)

Construction

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

Recommended Fluids

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

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

Exception: Air max. +70 °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			
831-4-XXX-RL	6	1/4	-4	6.4	12.7	2.4	350	9.7	1400	95	65	0.13
831-6-XXX-RL	10	3/8	-6	9.5	15.9	2.0	300	8.3	1200	95	75	0.16
831-8-XXX-RL	12	1/2	-8	12.7	19.8	2.0	300	8.3	1200	95	130	0.27
831-10-XXX-RL	16	5/8	-10	15.9	23.0	2.0	300	8.3	1200	51	150	0.28
831-12-XXX-RL	19	3/4	-12	19.1	26.2	2.0	300	8.3	1200	51	180	0.36
831-16-XXX-RL	25	1	-16	25.4	32.5	1.4	200	5.5	800	51	250	0.37

* 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, specify Push-Lok hose part number, followed by size, followed by colour. Example: 831-4-XXX-RL

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



Example: 831-4-GRN-RL (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.
Not suitable for high dynamic pulsation systems.
Not recommended for fuels (petrol, diesel etc.)

Construction

Tube: Synthetic PKR rubber
Reinforcement: High-tensile fibre braid
Cover: MSHA approved
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
- Blue hose cover
- MSHA approved

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.
Consult the chemical compatibility section on 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			
836-4-RL	6	1/4	-4	6.4	12.7	1.7	250	6.8	1000	95	65	0.13
836-6-RL	10	3/8	-6	9.5	15.7	1.7	250	6.8	1000	95	75	0.16
836-8-RL	12	1/2	-8	12.7	19.8	1.7	250	6.8	1000	95	130	0.27
836-10-RL	16	5/8	-10	15.9	23.1	1.7	250	6.8	1000	51	150	0.28
836-12-RL	19	3/4	-12	19.1	26.2	1.7	250	6.8	1000	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
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
Not suitable for high dynamic pulsation systems
Not recommended for fuels (petrol, diesel etc.)
Not recommended for mineral based hydraulic and lubricating oils

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
- Low push-in forces

Recommended Fluids

Air, dry air, water, water-oil-emulsions and water-glycol-emulsions.

Consult the chemical compatibility section on 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			
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, specify Push-Lok hose part number, followed by size, followed by colour. Example: 837BM-4-XXX-RL

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



Example: 837BM-4-GRN-RL (green)
RL = only available on reels

Hose layline example



837PU-Plus

Hybrid Push-Lok

For a variety of applications including automotive

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
Not suitable for high dynamic pulsation systems
Not recommended for fuels (petrol, diesel etc.)
Not recommended for mineral based hydraulic and lubricating oils

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
- Low push-in forces

Recommended Fluids

Air, dry air, water, water-oil-emulsions and water-glycol-emulsions.
Consult the chemical compatibility section on 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, specify Push-Lok hose part number, followed by size, followed by colour. Example: 837PU-4-XXX-RL

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



Example: 837PU-4-GRN-RL (green)
RL = only available on reels

Hose layline example

PARKER PUSH-LOK 837PU-Plus-8 WP 1,6 MPa [235 PSI] | ° 12,5 mm [1/2]

838M

Push-Lok

For non-conductive applications

Primary Applications

Special Market: For special electrical requirements,
e.g. cooling lines with de-ionized water

Restrictions

Not permitted for use in air brake systems.
Not suitable for high dynamic pulsation systems.
Not recommended for fuels (petrol, diesel etc.)

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

Recommended Fluids

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

Fitting Series

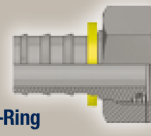



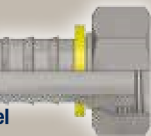


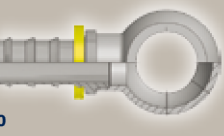
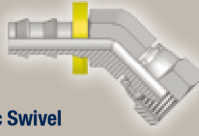
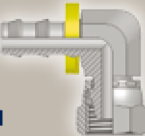


Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vacuum* kPa	min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure				
						MPa	psi	MPa	psi			
838M-4-RL	6	1/4	-4	6.4	11.2	1.6	232	6.4	928	10	30	0.08
838M-6-RL	10	3/8	-6	9.5	15.0	1.6	232	6.4	928	10	50	0.13
838M-8-RL	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	90	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

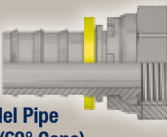



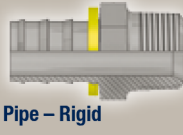
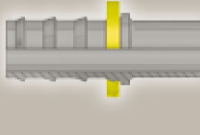
DIN – Metric

Page B1b-1 – B1b-7

<p>CA B1b-1 Female Metric 24° Light Series with O-Ring Swivel – Straight ISO 12151-2-SWS-L – DKOL</p> 	<p>CE B1b-1 Female Metric 24° Light Series with O-Ring Swivel – 45° Elbow ISO 12151-2-SWE 45°-L – DKOL 45°</p> 	<p>CF B1b-2 Female Metric 24° Light Series with O-Ring Swivel – 90° Elbow ISO 12151-2-SWE-L – DKOL 90°</p> 	<p>D0 B1b-2 Male Metric 24° Light Series – Rigid Straight ISO 12151-2-S-L – CEL</p> 
<p>C3 B1b-3 Female Metric Light Series – Swivel Straight (Ball Nose for 24° or 60° Cone) DKL</p> 	<p>C4 B1b-4 Female Metric Light Series – Swivel 45° Elbow (Ball Nose for 24° or 60° Cone) DKL 45°</p> 	<p>C5 B1b-5 Female Metric Light Series – Swivel 90° Elbow (Ball Nose for 24° or 60° Cone) DKL 90°</p> 	<p>49 B1b-6 Metric Banjo Straight DIN 7642</p> 
<p>9B B1b-6 Female Metric Swivel Light Series 45° Elbow (Ball Nose for 24° or 60° Cone)</p> 	<p>9C B1b-7 Female Metric Swivel Light Series 90° Elbow (Ball Nose for 24° or 60° Cone)</p> 		

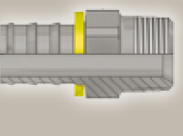
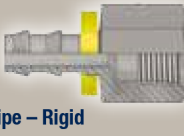
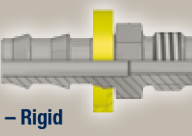
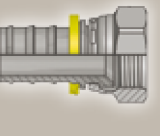
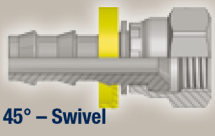


BSP

Page B1b-8 – B1b-10

<p>92 B1b-8 Female BSP Parallel Pipe Swivel – Straight (60° Cone) BS5200-A – DKR</p> 	<p>B1 B1b-8 Female BSP Parallel Pipe Swivel 45° Elbow (60° Cone) BS 5200-D – DKR 45°</p> 	<p>B2 B1b-9 Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone) BS 5200-B – DKR 90°</p> 	<p>D9 B1b-9 Male BSP Parallel Pipe Rigid – Straight (60° Cone) BS5200 – AGR</p> 
<p>91 B1b-10 Male BSP Taper Pipe – Rigid Straight BS5200 – AGR-K</p> 	<p>34 B1b-10 Inch Standpipe (Brass)</p> 		

SAE

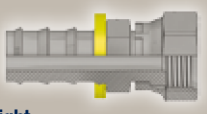
Page B1b-11 – B1b-14

<p>01 B1b-11 Male NPTF Pipe Rigid – Straight SAE J476A / J516 – AGN</p> 	<p>02 B1b-11 Female NPTF Pipe – Rigid Straight SAE J476A / J516</p> 	<p>03 B1b-12 Male JIC 37° – Rigid Straight ISO12151-5-S – AGJ</p> 	<p>06/68 B1b-12 Female – JIC 37° SAE 45° Dual Flare Swivel – Straight ISO12151-5-SWS – DKJ</p> 
<p>08 B1b-13 Female SAE 45° – Swivel Straight SAE J516</p> 	<p>37/3V B1b-13 Female JIC 37° SAE 45° – Dual Flare Swivel Female 45° Elbow ISO 12151-5-SWE 45° – DKJ 45°</p> 	<p>39/3W B1b-14 Female JIC 37° SAE 45° – Dual Flare Swivel Female 90° Elbow ISO 12151-5-SWES – DKJ 90°</p> 	

ORFS

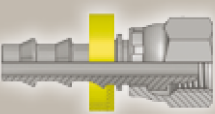

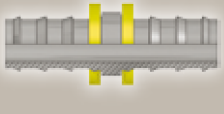
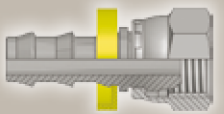
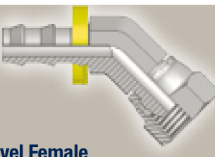

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JC
B1b-15
Female ORFS
Swivel – Straight
Short
ISO 12151-1 – SWSA SAE J516 – ORFS



Others

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<p>FF B1b-16 Metru-Lok Swivel Female</p> 	<p>AF B1b-16 Male BSP Parallel Pipe Rigid – Straight (with O-ring Seal)</p> 	<p>82 B1b-17 Push-Lok® Union</p> 	<p>5C B1b-17 60° Cone Swivel Female</p> 
<p>6C B1b-18 60° Cone Swivel Female 45° Elbow</p> 	<p>7C B1b-18 60° Cone Swivel Female 90° Elbow</p> 		

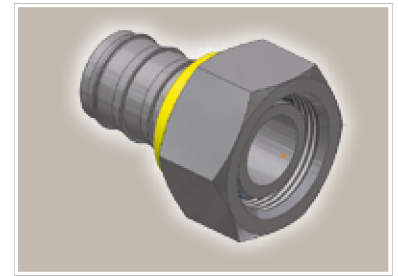
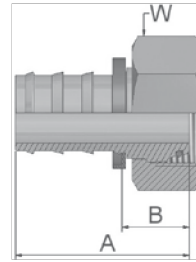
82 Series

Assembly Instructions / Tools

Page B1b-19

CA Female Metric 24° Light Series with O-Ring Swivel – Straight

ISO 12151-2-SWS-L – DKOL

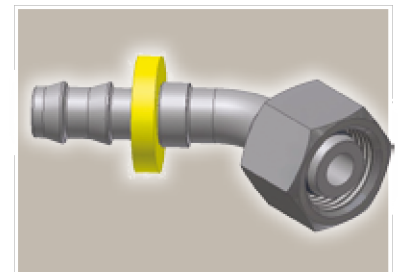
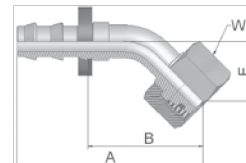


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
3CA82-6-4B	6	1/4	-4	6.4	M12x1.5	6	40	21	14
3CA82-6-4	6	1/4	-4	6.4	M12x1.5	6	40	21	14
3CA82-8-4	6	1/4	-4	6.4	M14x1.5	8	36	17	17
3CA82-8-4B	6	1/4	-4	6.4	M14x1.5	8	36	17	17
3CA82-10-4	6	1/4	-4	6.4	M16x1.5	10	36	17	19
3CA82-10-6	10	3/8	-6	9.5	M16x1.5	10	40	17	19
3CA82-10-6B	10	3/8	-6	9.5	M16x1.5	10	39	17	19
3CA82-12-6	10	3/8	-6	9.5	M18x1.5	12	40	17	22
3CA82-12-6B	10	3/8	-6	9.5	M18x1.5	12	39	17	22
3CA82-15-8	12	1/2	-8	12.7	M22x1.5	15	44	18	27
3CA82-15-8B	12	1/2	-8	12.7	M22x1.5	15	44	17	27
3CA82-15-10B	16	5/8	-10	15.9	M22x1.5	15	60	23	27
3CA82-18-10	16	5/8	-10	15.9	M26x1.5	18	56	19	32
3CA82-22-12B	19	3/4	-12	19.1	M30x2	22	58	21	36
3CA82-22-12	19	3/4	-12	19.1	M30x2	22	58	21	36

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see in section Eb.

CE Female Metric 24° Light Series with O-Ring Swivel – 45° Elbow

ISO 12151-2-SWE 45°-L – DKOL 45°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
3CE82-6-4	6	1/4	-4	6.4	M12x1.5	6	56	37	21	14
3CE82-8-4	6	1/4	-4	6.4	M14x1.5	8	51	31	16	17
3CE82-10-6	10	3/8	-6	9.5	M16x1.5	10	59	37	19	19
3CE82-12-6	10	3/8	-6	9.5	M18x1.5	12	60	37	19	22
3CE82-15-8	12	1/2	-8	12.7	M22x1.5	15	69	43	21	27
3CE82-18-10	16	5/8	-10	15.9	M26x1.5	18	83	46	23	32
3CE82-22-12	19	3/4	-12	19.1	M30x2	22	97	60	26	36

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see in section Eb.

Also available in stainless steel. Details can be found in CAT 4400.1/UK

Approved **fitting series** for hose types:

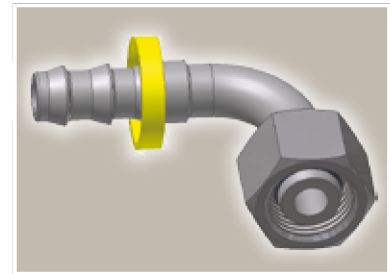
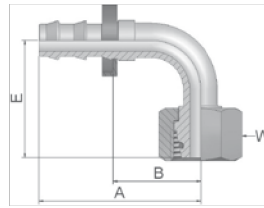
K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 | 801 | 804 | 821FR | 830M | 831 | 836 | 837BM | 837PU | 838M

CF

Female Metric 24° Light Series with O-Ring Swivel – 90° Elbow

ISO 12151-2-SWE-L – DKOL 90°



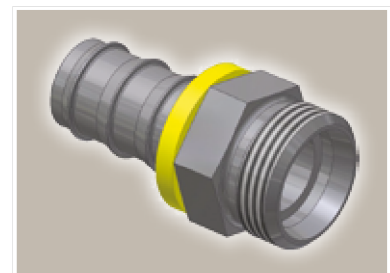
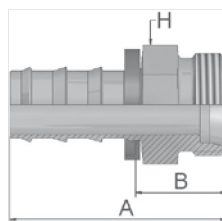
Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
3CF82-6-4	6	1/4	-4	6.4	M12x1.5	6	42	23	36	14
3CF82-8-4	6	1/4	-4	6.4	M14x1.5	8	41	23	29	17
3CF82-10-4	6	1/4	-4	6.4	M16x1.5	10	42	23	31	19
3CF82-10-6	10	3/8	-6	9.5	M16x1.5	10	49	27	35	19
3CF82-10-6B	10	3/8	-6	9.5	M16x1.5	10	49	27	35	19
3CF82-12-6B	10	3/8	-6	9.5	M18x1.5	12	49	27	35	22
3CF82-12-6	10	3/8	-6	9.5	M18x1.5	12	49	27	35	22
3CF82-15-8B	12	1/2	-8	12.7	M22x1.5	15	60	34	41	27
3CF82-15-8	12	1/2	-8	12.7	M22x1.5	15	60	34	41	27
3CF82-18-10	16	5/8	-10	15.9	M26x1.5	18	74	37	45	32
3CF82-22-12	19	3/4	-12	19.1	M30x2	22	88	52	55	36

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see in section Eb.

DO

Male Metric 24° Light Series – Rigid Straight

ISO 12151-2-S-L – CEL



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
3D082-6-4	6	1/4	-4	6.4	M12x1.5	6	35	16	12
3D082-8-4	6	1/4	-4	6.4	M14x1.5	8	36	17	14
3D082-10-6B	10	3/8	-6	9.5	M16x1.5	10	41	18	17
3D082-10-6	10	3/8	-6	9.5	M16x1.5	10	41	18	17
3D082-12-6B	10	3/8	-6	9.5	M18x1.5	12	41	18	19
3D082-12-6	10	3/8	-6	9.5	M18x1.5	12	41	18	19
3D082-15-8BK	12	1/2	-8	12.7	M22x1.5	15	49	22	22
3D082-15-8B	12	1/2	-8	12.7	M22x1.5	15	49	22	22
3D082-15-8	12	1/2	-8	12.7	M22x1.5	15	49	23	22
3D082-18-8	12	1/2	-8	12.7	M26x1.5	18	48	21	27
3D082-18-10	16	5/8	-10	15.9	M26x1.5	18	58	21	27
3D082-22-12B	19	3/4	-12	19.1	M30x2	22	63	27	30
3D082-22-12	19	3/4	-12	19.1	M30x2	22	63	27	30
3D082-22-12BK	19	3/4	-12	19.1	M30x2	22	63	27	30

Also available in stainless steel. Details can be found in CAT 4400.1/UK

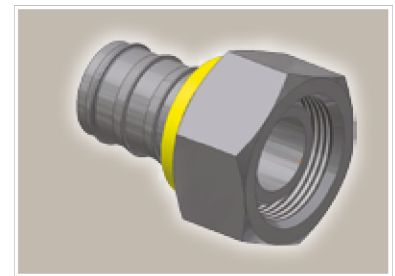
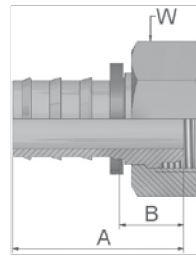
Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 801 804 821FR 830M 831 836 837BM 837PU 838M

C3 Female Metric Light Series – Swivel Straight (Ball Nose for 24° or 60° Cone)

DKL



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
3C382-6-4	6	1/4	-4	6.4	M12x1.5	6	33	14	14
3C382-6-4BK	6	1/4	-4	6.4	M12x1.5	6	33	14	14
3C382-6-4B	6	1/4	-4	6.4	M12x1.5	6	33	14	14
3C382-8-4	6	1/4	-4	6.4	M14x1.5	8	33	14	17
3C382-8-4BK	6	1/4	-4	6.4	M14x1.5	8	36	17	19
3C382-8-4B	6	1/4	-4	6.4	M14x1.5	8	36	17	19
3C382-10-4	6	1/4	-4	6.4	M16x1.5	10	34	15	19
3C382-10-4BK	6	1/4	-4	6.4	M16x1.5	10	34	15	19
3C382-10-6	10	3/8	-6	9.5	M16x1.5	10	37	15	19
3C382-10-6BK	10	3/8	-6	9.5	M16x1.5	10	40	17	19
3C382-10-6B	10	3/8	-6	9.5	M16x1.5	10	40	17	19
3C382-12-6BK	10	3/8	-6	9.5	M18x1.5	12	40	17	22
3C382-12-6	10	3/8	-6	9.5	M18x1.5	12	38	16	22
3C382-15-8	12	1/2	-8	12.7	M22x1.5	15	42	15	27
3C382-15-8B	12	1/2	-8	12.7	M22x1.5	15	46	19	27
3C382-15-8BK	12	1/2	-8	12.7	M22x1.5	15	46	19	27
3C382-15-10	16	5/8	-10	15.9	M22x1.5	15	56	19	27
3C382-18-10B	16	5/8	-10	15.9	M26x1.5	18	58	22	32
3C382-18-10	16	5/8	-10	15.9	M26x1.5	18	53	17	32
3C382-18-10BK	16	5/8	-10	15.9	M26x1.5	18	58	22	32
3C382-22-12B	19	3/4	-12	19.1	M30x2	22	58	22	36
3C382-22-12	19	3/4	-12	19.1	M30x2	22	53	17	36
3C382-22-12BK	19	3/4	-12	19.1	M30x2	22	58	22	36
3C382-28-16	25	1	-16	25.4	M36x2	28	58	22	41
3C382-28-16-K	25	1	-16	25.4	M36x2	28	58	22	41
3C382-28-16BK	25	1	-16	25.4	M36x2	28	58	22	41

82 Series

Also available in stainless steel. Details can be found in CAT 4400.1/UK

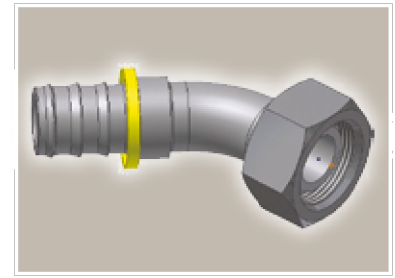
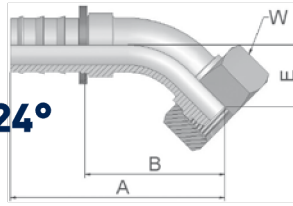
Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 | 801 804 821FR 830M 831 836 837BM 837PU 838M

C4 Female Metric Light Series – Swivel 45° Elbow (Ball Nose for 24° or 60° Cone)

DKL 45°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
3C482-6-4	6	1/4	-4	6.4	M12x1.5	6	51	32	16	14
3C482-6-4B	6	1/4	-4	6.4	M12x1.5	6	51	32	16	14
3C482-8-4	6	1/4	-4	6.4	M14x1.5	8	51	32	16	17
3C482-8-4B	6	1/4	-4	6.4	M14x1.5	8	51	32	16	17
3C482-10-6	10	3/8	-6	9.5	M16x1.5	10	58	35	18	19
3C482-10-6B	10	3/8	-6	9.5	M16x1.5	10	58	35	17	19
3C482-12-6	10	3/8	-6	9.5	M18x1.5	12	59	36	18	22
3C482-12-6B	10	3/8	-6	9.5	M18x1.5	12	58	36	18	22
3C482-15-8B	12	1/2	-8	12.7	M22x1.5	15	67	41	19	27
3C482-15-8	12	1/2	-8	12.7	M22x1.5	15	68	41	19	27
3C482-15-10	16	5/8	-10	15.9	M22x1.5	15	82	45	21	27
3C482-15-10B	16	5/8	-10	15.9	M22x1.5	15	82	45	21	27
3C482-18-10	16	5/8	-10	15.9	M26x1.5	18	81	45	21	32
3C482-18-10B	16	5/8	-10	15.9	M26x1.5	18	81	45	21	32
3C482-18-12	19	3/4	-12	19.1	M26x1.5	18	96	60	26	32
3C482-22-12	19	3/4	-12	19.1	M30x2	22	88	52	23	36
3C482-22-12B	19	3/4	-12	19.1	M30x2	22	88	52	23	36
3C482-28-16-K	25	1	-16	25.4	M36x2	28	110	73	31	41

Also available in stainless steel. Details can be found in CAT 4400.1/UK

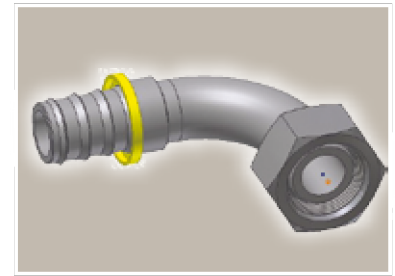
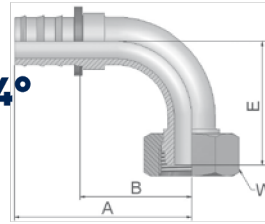
Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 801 804 821FR 830M 831 836 837BM 837PU 838M

C5 Female Metric Light Series – Swivel 90° Elbow (Ball Nose for 24° or 60° Cone)

DKL 90°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
3C582-6-4	6	1/4	-4	6.4	M12x1.5	6	42	23	29	14
3C582-8-4	6	1/4	-4	6.4	M14x1.5	8	42	23	29	17
3C582-8-4B	6	1/4	-4	6.4	M14x1.5	8	41	23	29	17
3C582-10-4	6	1/4	-4	6.4	M16x1.5	10	42	23	29	19
3C582-10-6	10	3/8	-6	9.5	M16x1.5	10	49	27	33	19
3C582-12-6B	10	3/8	-6	9.5	M18x1.5	12	49	27	34	22
3C582-12-6	10	3/8	-6	9.5	M18x1.5	12	49	27	34	22
3C582-15-8	12	1/2	-8	12.7	M22x1.5	15	65	38	39	27
3C582-15-8B	12	1/2	-8	12.7	M22x1.5	15	65	38	39	27
3C582-18-10B	16	5/8	-10	15.9	M26x1.5	18	74	37	43	32
3C582-18-10	16	5/8	-10	15.9	M26x1.5	18	74	37	43	32
3C582-22-12B	19	3/4	-12	19.1	M30x2	22	88	52	50	36
3C582-22-12	19	3/4	-12	19.1	M30x2	22	88	51	50	36
3C582-28-16B	25	1	-16	25.4	M36x2	28	101	64	66	41
3C582-28-16-K	25	1	-16	25.4	M36x2	28	99	61	70	41

82 Series

Also available in stainless steel. Details can be found in CAT 4400.1/UK

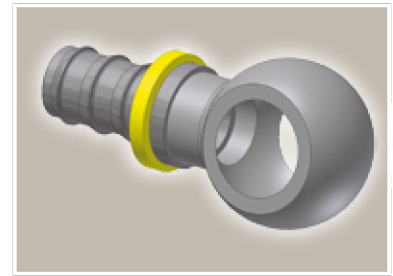
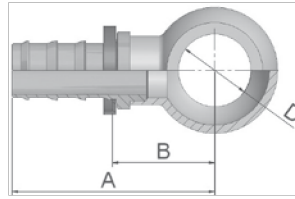
Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 | 801 | 804 | 821FR | 830M | 831 | 836 | 837BM | 837PU | 838M

49 Metric Banjo Straight

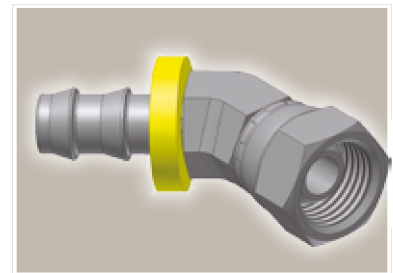
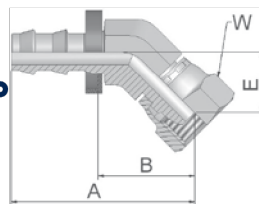
DIN 7642



Part Number	Hose I.D.				A mm	B mm	D mm
	DN	Inch	Size	mm			
34982-8-4	6	1/4	-4	6.4	36	17	8
34982-10-4	6	1/4	-4	6.4	38	19	10
34982-12-4	6	1/4	-4	6.4	40	21	12
34982-14-4	6	1/4	-4	6.4	42	23	14
34982-10-6	10	3/8	-6	9.5	42	19	10
34982-12-6	10	3/8	-6	9.5	44	21	12
34982-14-6	10	3/8	-6	9.5	47	24	14
34982-16-6	10	3/8	-6	9.5	49	26	16
34982-17-6	10	3/8	-6	9.5	49	26	17
34982-14-8	12	1/2	-8	12.7	51	25	14
34982-18-8	12	1/2	-8	12.7	55	28	18
34982-22-8	12	1/2	-8	12.7	57	31	22
34982-22-10	16	5/8	-10	15.9	68	32	22
34982-26-12	19	3/4	-12	19.1	74	38	26

9B Female Metric Swivel Light Series

45° Elbow (Ball Nose for 24° or 60° Cone)



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
39B82-6-4BK	6	1/4	-4	6.4	M12x1.5	6	44	25	16	14
39B82-8-4BK	6	1/4	-4	6.4	M14x1.5	8	43	24	15	19
39B82-10-6BK	10	3/8	-6	9.5	M16x1.5	10	48	25	16	19
39B82-12-6BK	10	3/8	-6	9.5	M18x1.5	12	50	27	17	22
39B82-15-8BK	12	1/2	-8	12.7	M22x1.5	15	54	28	18	27

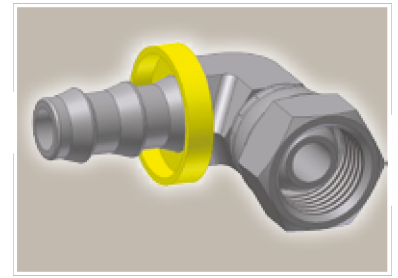
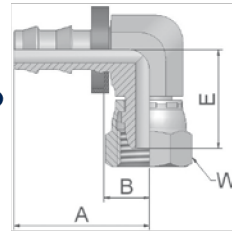
Also available in stainless steel. Details can be found in CAT 4400.1/UK

Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 801 804 821FR 830M 831 836 837BM 837PU 838M

9C **Female Metric Swivel
Light Series
90° Elbow (Ball Nose for 24°
or 60° Cone)**



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
39C82-6-4BK	6	1/4	-4	6.4	M12x1.5	6	30	11	22	14
39C82-8-4BK	6	1/4	-4	6.4	M14x1.5	8	30	11	22	19
39C82-10-6BK	10	3/8	-6	9.5	M16x1.5	10	34	12	25	19
39C82-12-6BK	10	3/8	-6	9.5	M18x1.5	12	34	11	25	22
39C82-15-8BK	12	1/2	-8	12.7	M22x1.5	15	42	16	32	27

82 Series

Also available in stainless steel. Details can be found in CAT 4400.1/UK

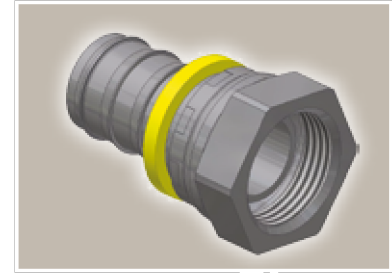
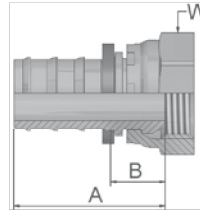
Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 | 801 | 804 | 821FR | 830M | 831 | 836 | 837BM | 837PU | 838M

92 Female BSP Parallel Pipe Swivel – Straight (60° Cone)

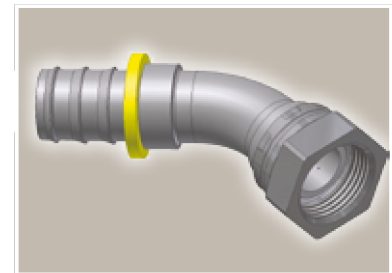
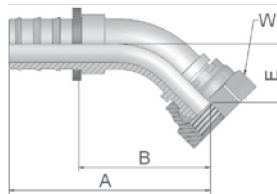
BS5200-A – DKR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
39282-4-4	6	1/4	-4	6.4	1/4x19	33	14	17
39282-4-4B	6	1/4	-4	6.4	1/4x19	36	16	17
39282-6-4B	6	1/4	-4	6.4	3/8x19	37	18	22
39282-6-6	10	3/8	-6	9.5	3/8x19	37	14	19
39282-8-8B	12	1/2	-8	12.7	1/2x14	46	19	27
39282-8-8	12	1/2	-8	12.7	1/2x14	42	15	27
39282-10-10	16	5/8	-10	15.9	5/8x14	53	16	30
39282-10-10B	16	5/8	-10	15.9	5/8x14	55	18	30
39282-12-12	19	3/4	-12	19.1	3/4x14	58	21	32
39282-16-16B	25	1	-16	25.4	1x11	57	21	41

B1 Female BSP Parallel Pipe Swivel 45° Elbow (60° Cone)

BS 5200-D – DKR 45°



Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
3B182-4-4	6	1/4	-4	6.4	1/4x19	51	32	16	17
3B182-6-6	10	3/8	-6	9.5	3/8x19	58	35	17	19
3B182-6-6B	10	3/8	-6	9.5	3/8x19	58	35	17	19
3B182-8-8B	12	1/2	-8	12.7	1/2x14	67	41	19	27
3B182-8-8	12	1/2	-8	12.7	1/2x14	68	41	19	27
3B182-10-10	16	5/8	-10	15.9	5/8x14	81	45	21	30
3B182-12-12	19	3/4	-12	19.1	3/4x14	92	55	27	32
3B182-16-16-K	25	1	-16	25.4	1x11	107	70	33	41

Also available in stainless steel. Details can be found in CAT 4400.1/UK

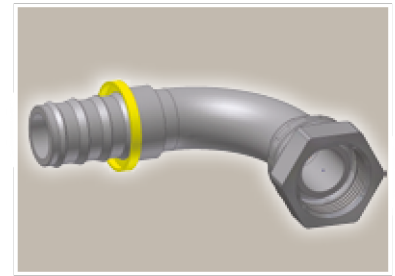
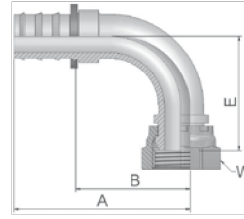
Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 801 804 821FR 830M 831 836 837BM 837PU 838M

B2 Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone)

BS 5200-B – DKR 90°

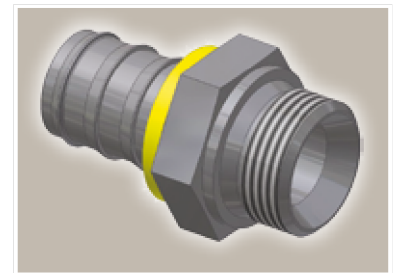
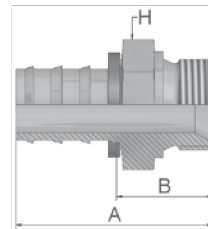


Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
3B282-4-4	6	1/4	-4	6.4	1/4x19	42	23	29	17
3B282-6-6	10	3/8	-6	9.5	3/8x19	49	26	33	19
3B282-8-8B	12	1/2	-8	12.7	1/2x14	60	34	39	27
3B282-8-8	12	1/2	-8	12.7	1/2x14	60	34	39	27
3B282-10-8	12	1/2	-8	12.7	5/8x14	58	32	40	30
3B282-10-10	16	5/8	-10	15.9	5/8x14	74	37	43	30
3B282-10-10B	16	5/8	-10	15.9	5/8x14	74	37	44	30
3B282-12-12	19	3/4	-12	19.1	3/4x14	83	46	53	32
3B282-12-12B	19	3/4	-12	19.1	3/4x14	83	46	53	32
3B282-16-16-K	25	1	-16	25.4	1x11	99	61	68	41

82 Series

D9 Male BSP Parallel Pipe Rigid – Straight (60° Cone)

BS5200 – AGR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
3D982-2-4	6	1/4	-4	6.4	1/8x28	36	17	14
3D982-4-4B	6	1/4	-4	6.4	1/4x19	41	23	19
3D982-4-4	6	1/4	-4	6.4	1/4x19	41	23	19
3D982-4-6B	10	3/8	-6	9.5	1/4x19	44	21	19
3D982-4-6	10	3/8	-6	9.5	1/4x19	44	21	19
3D982-6-6	10	3/8	-6	9.5	3/8x19	45	23	22
3D982-8-8B	12	1/2	-8	12.7	1/2x14	53	27	27
3D982-8-8	12	1/2	-8	12.7	1/2x14	53	27	27
3D982-8-10	16	5/8	-10	15.9	1/2x14	62	25	27
3D982-12-12	19	3/4	-12	19.1	3/4x14	65	28	32

Also available in stainless steel. Details can be found in CAT 4400.1/UK

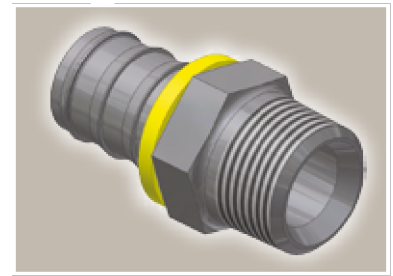
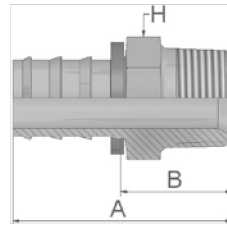
Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 | 801 | 804 | 821FR | 830M | 831 | 836 | 837BM | 837PU | 838M

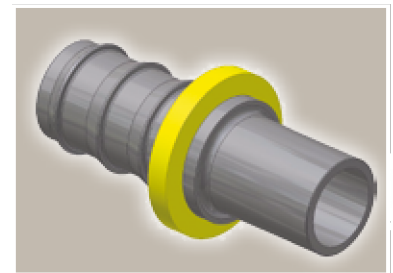
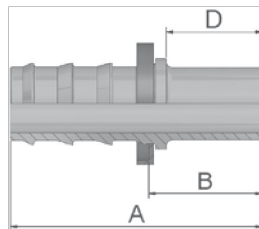
91 Male BSP Taper Pipe – Rigid Straight

BS5200 – AGR-K



Part Number	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
39182-2-4B	6	1/4	-4	6.4	1/8x28	37	18	12
39182-4-4B	6	1/4	-4	6.4	1/4x19	40	21	14
39182-4-6B	10	3/8	-6	9.5	1/4x19	44	21	14
39182-6-6B	10	3/8	-6	9.5	3/8x19	45	22	19
39182-6-8B	12	1/2	-8	12.7	3/8x19	49	22	19
39182-8-8B	12	1/2	-8	12.7	1/2x14	55	29	22
39182-8-10B	16	5/8	-10	15.9	1/2x14	65	28	22
39182-12-10B	16	5/8	-10	15.9	3/4x14	69	32	30
39182-12-12B	19	3/4	-12	19.1	3/4x14	69	32	30

34 Inch Standpipe (Brass)



Part Number	Hose I.D.				A mm	B mm	D mm
	DN	Inch	Size	mm			
33482-4-4B	6	1/4	-4	6.4	48	29	26
33482-6-6B	10	3/8	-6	9.5	57	34	31
33482-8-8B	12	1/2	-8	12.7	55	28	25
33482-10-10B	16	5/8	-10	15.9	67	30	25
33482-12-12B	19	3/4	-12	19.1	67	30	25

Also available in stainless steel. Details can be found in CAT 4400.1/UK

Approved **fitting series** for hose types:

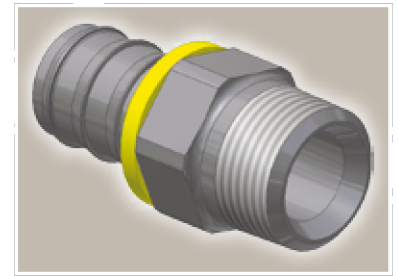
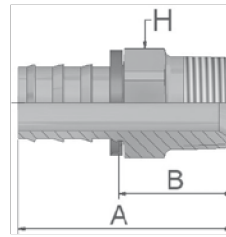
K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 801 804 821FR 830M 831 836 837BM 837PU 838M

01

Male NPTF Pipe Rigid – Straight

SAE J476A/ J516 – AGN



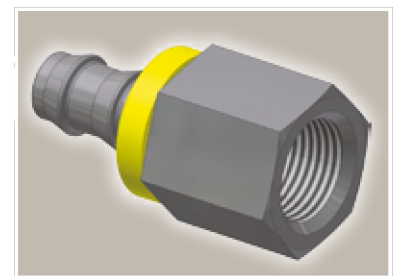
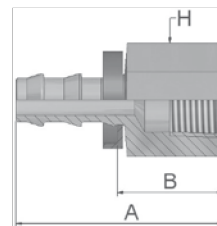
Part Number	Hose I.D.				Thread NPTF	A mm	B mm	H	
	DN	Inch	Size	mm				mm	Inch
30182-2-4B	6	1/4	-4	6.4	1/8x27	35	16	7/16	
30182-2-4-SM	6	1/4	-4	6.4	1/8x27	35	16	12	
30182-4-4-SM	6	1/4	-4	6.4	1/4x18	40	21	14	
30182-4-4B	6	1/4	-4	6.4	1/4x18	40	21	9/16	
30182-6-4	6	1/4	-4	6.4	3/8x18	42	22	11/16	
30182-6-4B	6	1/4	-4	6.4	3/8x18	42	22	11/16	
30182-4-6-SM	10	3/8	-6	9.5	1/4x18	45	23	14	
30182-4-6B	10	3/8	-6	9.5	1/4x18	45	22	9/16	
30182-6-6-SM	10	3/8	-6	9.5	3/8x18	45	23	19	
30182-8-6-SM	10	3/8	-6	9.5	1/2x14	52	29	22	
30182-8-6B-SM	10	3/8	-6	9.5	1/2x14	52	29	22	
30182-6-8B	12	1/2	-8	12.7	3/8x18	49	22	11/16	
30182-8-8B-SM	12	1/2	-8	12.7	1/2x14	55	29	22	
30182-8-8-SM	12	1/2	-8	12.7	1/2x14	55	29	22	
30182-8-10B	16	5/8	-10	15.9	1/2x14	66	29	7/8	
30182-8-10-SM	16	5/8	-10	15.9	1/2x14	66	29	22	
30182-12-10	16	5/8	-10	15.9	3/4x14	66	29	1 1/16	
30182-8-12-SM	19	3/4	-12	19.1	1/2x14	66	29	22	
30182-8-12B	19	3/4	-12	19.1	1/2x14	66	29	7/8	
30182-12-12-SM	19	3/4	-12	19.1	3/4x14	66	30	27	
30182-12-12	19	3/4	-12	19.1	3/4x14	66	29	1 1/16	
30182-12-12B	19	3/4	-12	19.1	3/4x14	66	29	1 1/16	

82 Series

02

Female NPTF Pipe – Rigid Straight

SAE J476A/ J516



Part Number	Hose I.D.				Thread NPTF	A mm	B mm	H	
	DN	Inch	Size	mm				mm	Inch
30282-4-4B	6	1/4	-4	6.4	1/4x18	40	21	3/4	
30282-6-6B	10	3/8	-6	9.5	3/8x18	46	23	7/8	
30282-8-8B	12	1/2	-8	12.7	1/2x14	55	28	1 1/16	

Also available in stainless steel. Details can be found in CAT 4400.1/UK

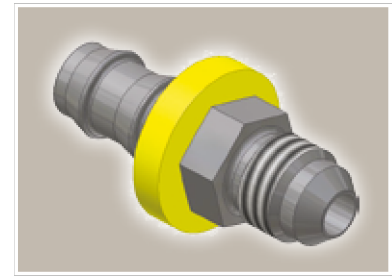
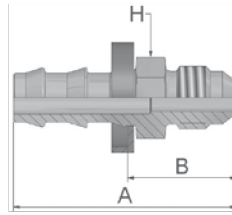
Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 | 801 | 804 | 821FR | 830M | 831 | 836 | 837BM | 837PU | 838M

03 Male JIC 37° – Rigid Straight

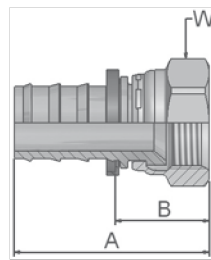
ISO12151-5-S – AGJ



Part Number	Hose I.D.				Thread NPTF	A mm	B mm	H Inch
	DN	Inch	Size	mm				
30382-4-4	6	1/4	-4	6.4	7/16x20	40	21	1/2
30382-6-6	10	3/8	-6	9.5	9/16x18	45	22	5/8
30382-6-6B	10	3/8	-6	9.5	9/16x18	45	22	5/8
30382-8-8B	12	1/2	-8	12.7	3/4x16	52	26	3/4
30382-8-8	12	1/2	-8	12.7	3/4x16	52	26	3/4
30382-12-12B	19	3/4	-12	19.1	1 1/16x12	69	32	1 1/8
30382-12-12	19	3/4	-12	19.1	1 1/16x12	69	32	1 1/8

06/68 Female – JIC 37° SAE 45° Dual Flare Swivel – Straight

ISO12151-5-SWS – DKJ



Part Number	Hose I.D.				Thread NPTF	A mm	B mm	H	
	DN	Inch	Size	mm				mm	Inch
30682-4-4-SM	6	1/4	-4	6.4	7/16x20	40	21	14	
30682-4-4B	6	1/4	-4	6.4	7/16x20	39	19	9/16	
30682-5-4B	6	1/4	-4	6.4	1/2x20	40	21	5/8	
30682-6-4B	6	1/4	-4	6.4	9/16x18	42	22	11/16	
30682-5-6B	10	3/8	-6	9.5	1/2x20	44	21	5/8	
30682-6-6-SM	10	3/8	-6	9.5	9/16x18	45	22	19	
30682-6-6	10	3/8	-6	9.5	9/16x18	46	22	11/16	
30682-6-6B-SM	10	3/8	-6	9.5	9/16x18	45	22	19	
36882-8-6-SM	10	3/8	-6	9.5	3/4x16	48	25	22	
30682-8-6B	10	3/8	-6	9.5	3/4x16	47	24	7/8	
36882-8-8B-SM	12	1/2	-8	12.7	3/4x16	51	25	22	
36882-8-8-SM	12	1/2	-8	12.7	3/4x16	51	25	22	
30682-10-8B	12	1/2	-8	12.7	7/8x14	52	25	1	
30682-10-10-SM	16	5/8	-10	15.9	7/8x14	65	28	27	
30682-10-10B	16	5/8	-10	15.9	7/8x14	62	25	1	
30682-12-12-SM	19	3/4	-12	19.1	1 1/16x12	67	30	32	
30682-12-12B-SM	19	3/4	-12	19.1	1 1/16x12	67	31	32	

Also available in stainless steel. Details can be found in CAT 4400.1/UK

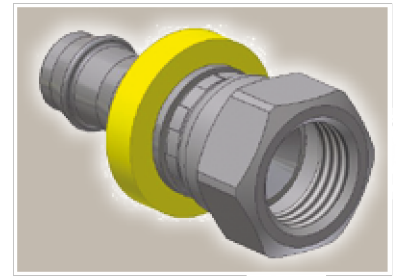
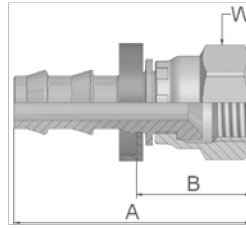
Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 801 804 821FR 830M 831 836 837BM 837PU 838M

08 Female SAE 45° – Swivel Straight

SAE J516

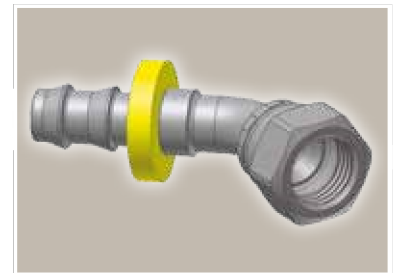
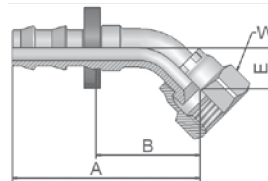


Part Number	Hose I.D.				Thread UNF	A mm	B mm	W inch
	DN	Inch	Size	mm				
30882-4-4	6	1/4	-4	6.4	7/16x20	39	19	9/16
30882-4-4B	6	1/4	-4	6.4	7/16x20	39	19	9/16
30882-5-4B	6	1/4	-4	6.4	1/2x20	40	21	5/8
30882-6-6-SM	10	3/8	-6	9.5	5/8x18	46	22	19
30882-6-6B	10	3/8	-6	9.5	5/8x18	46	23	3/4
30882-8-8B	12	1/2	-8	12.7	3/4x16	51	25	7/8
30882-8-8	12	1/2	-8	12.7	3/4x16	51	25	7/8
30882-10-10B	16	5/8	-10	15.9	7/8x14	65	28	1
30882-10-10	16	5/8	-10	15.9	7/8x14	65	28	1
30882-12-12	19	3/4	-12	19.1	1 1/16x14	67	30	1 1/4
30882-12-12B	19	3/4	-12	19.1	1 1/16x14	67	30	1 1/4

82 Series

37/3V Female JIC 37° SAE 45° – Dual Flare Swivel Female 45° Elbow

ISO 12151-5-SWE 45° – DKJ 45°



Part Number	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm Inch
	DN	Inch	Size	mm					
33V82-4-4B-SM	6	1/4	-4	6.4	7/16x20	44	25	10	17
33782-4-4	6	1/4	-4	6.4	7/16x20	39	20	8	9/16
33782-6-6-SM	10	3/8	-6	9.5	9/16x18	51	28	11	19
33782-8-8	12	1/2	-8	12.7	3/4x16	54	35	14	7/8

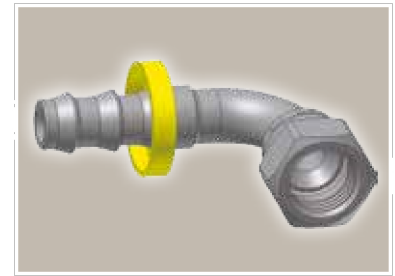
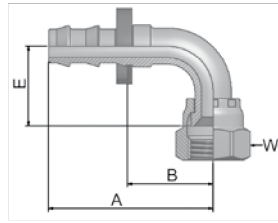
Also available in stainless steel. Details can be found in CAT 4400.1/UK

Approved fitting series for hose types:

K: without plastic ring; B: Brass; SM: Metric Hexagon

82 | 801 804 821FR 830M 831 836 837BM 837PU 838M

**39/3W Female JIC 37°
SAE 45° – Dual Flare
Swivel Female 90° Elbow**
ISO 12151-5-SWES – DKJ 90°



Part Number	Hose I.D.				Thread UNF	A mm	B mm	E mm	W	
	DN	Inch	Size	mm					mm	Inch
33W82-4-4-SM	6	1/4	-4	6.4	7/16x20	39	20	21	17	
33982-4-4	6	1/4	-4	6.4	7/16x20	39	20	17	5/8	
33982-6-6	10	3/8	-6	9.5	9/16x18	50	28	22	11/16	
33982-6-6-SM	10	3/8	-6	9.5	9/16x18	47	25	23	19	
33982-8-8	12	1/2	-8	12.7	3/4x16	59	33	28	7/8	
33W82-8-8-SM	12	1/2	-8	12.7	3/4x16	55	29	28	22	
33982-10-10	16	5/8	-10	15.9	7/8x14	74	37	31	1	
33982-12-12	19	3/4	-12	19.1	1 1/16x12	84	46	46	1 1/4	
33982-12-12-SM	19	3/4	-12	19.1	1 1/16x12	88	52	48	32	

Also available in stainless steel. Details can be found in CAT 4400.1/UK

Approved **fitting series** for hose types:

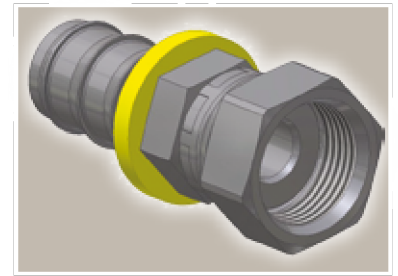
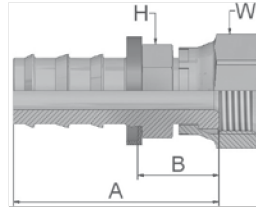
K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 801 804 821FR 830M 831 836 837BM 837PU 838M

JC

**Female ORFS
Swivel – Straight
Short**

ISO 12151-1 – SWSA
SAE J516 – ORFS



Part Number	Hose I.D.				Thread UNF	A mm	B mm	H		W	
	DN	Inch	Size	mm				mm	Inch	mm	Inch
3JC82-4-4	6	1/4	-4	6.4	9/16x18	36	17	9/16	11/16		
3JC82-6-6	10	3/8	-6	9.5	11/16x16	40	18	11/16	13/16		
3JC82-6-6-SM	10	3/8	-6	9.5	11/16x16	40	18	19	22		
3JC82-8-6-SM	10	3/8	-6	9.5	13/16x16	43	21	22	24		
3JC82-8-8-SM	12	1/2	-8	12.7	13/16x16	47	21	22	24		
3JC82-8-10	16	5/8	-10	15.9	13/16x16	57	21	3/4	15/16		
3JC82-10-10	16	5/8	-10	15.9	1x14	61	24	15/16	1 1/8		
3JC82-10-12	19	3/4	-12	19.1	1x14	61	24	1	1 1/8		
3JC82-12-12	19	3/4	-12	19.1	1 3/16x12	67	30	1 1/8	1 3/8		

82 Series

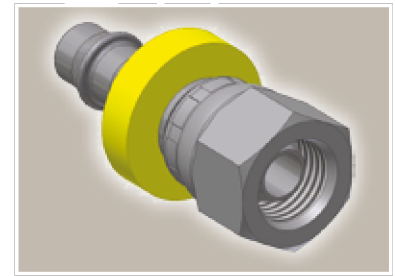
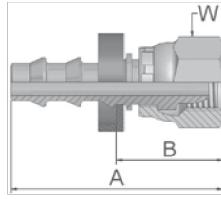
Also available in stainless steel. Details can be found in CAT 4400.1/UK

Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

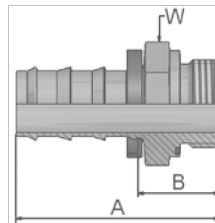
82 801 804 821FR 830M 831 836 837BM 837PU 838M

FF Metru-Lok Swivel Female



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
3FF82-6-4B	6	1/4	-4	6.4	M10x1	6	36	16	14
3FF82-8-4B	6	1/4	-4	6.4	M12x1	8	31	12	14
3FF82-10-6B	10	3/8	-6	9.5	M14x1	10	35	12	17
3FF82-12-6B	10	3/8	-6	9.5	M16x1	12	35	12	19
3FF82-14-8B	12	1/2	-8	12.7	M18x1	14	38	12	22
3FF82-16-8B	12	1/2	-8	12.7	M22x1.5	16	38	12	27
3FF82-18-10B	16	5/8	-10	15.9	M24x1.5	18	51	15	27
3FF82-22-12B	19	3/4	-12	19.1	M28x1.5	22	51	15	32

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



Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
3AF82-2-4B	6	1/4	-4	6.4	1/8x28	34	15	17
3AF82-4-4B	6	1/4	-4	6.4	1/4x19	39	20	19
3AF82-4-6B	10	3/8	-6	9.5	1/4x19	43	20	19
3AF82-6-6B	10	3/8	-6	9.5	3/8x19	46	23	22
3AF82-6-8B	12	1/2	-8	12.7	3/8x19	49	22	22
3AF82-8-8B	12	1/2	-8	12.7	1/2x14	53	26	27
3AF82-8-10B	16	5/8	-10	15.9	1/2x14	63	27	27

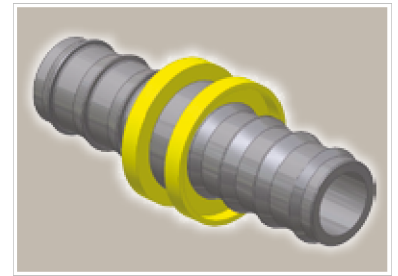
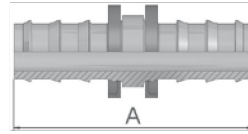
Also available in stainless steel. Details can be found in CAT 4400.1/UK

Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 801 804 821FR 830M 831 836 837BM 837PU 838M

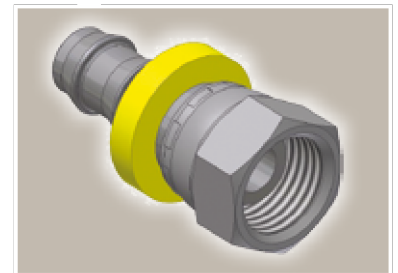
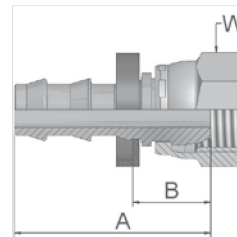
82 Push-Lok® Union



Part Number	Hose I.D.				A mm
	DN	Inch	Size	mm	
38282-4-4	6	1/4	-4	6.4	45
38282-4-4B	6	1/4	-4	6.4	46
38282-6-6B	10	3/8	-6	9.5	54
38282-8-8B	12	1/2	-8	12.7	64
38282-8-8	12	1/2	-8	12.7	64
38282-10-10	16	5/8	-10	15.9	84
38282-10-10B	16	5/8	-10	15.9	84
38282-12-12	19	3/4	-12	19.1	84
38282-12-12B	19	3/4	-12	19.1	84

82 Series

5C 60° Cone Swivel Female



Part Number	Hose I.D.				Thread metric	A mm	B mm	W mm
	DN	Inch	Size	mm				
35C82-6-4BK	6	1/4	-4	6.4	M12x1.5	33	14	14
35C82-10-6BK	10	3/8	-6	9.5	M16x1.5	38	15	19
35C82-10-6B	10	3/8	-6	9.5	M16x1.5	38	15	19
35C82-15-8BK	12	1/2	-8	12.7	M22x1.5	44	18	27
35C82-18-10BK	16	5/8	-10	15.9	M26x1.5	57	21	32

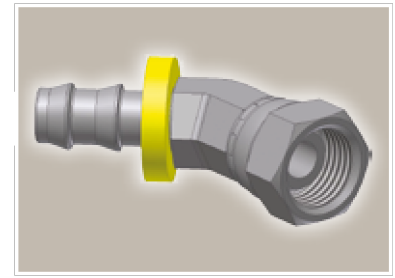
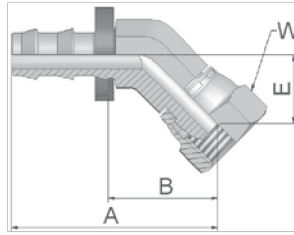
Also available in stainless steel. Details can be found in CAT 4400.1/UK

Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

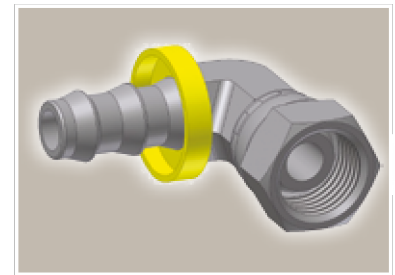
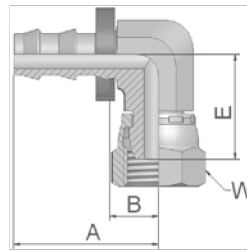
82 801 804 821FR 830M 831 836 837BM 837PU 838M

6C 60° Cone Swivel Female 45° Elbow



Part Number	Hose I.D.				Thread metric	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
36C82-6-4BK	6	1/4	-4	6.4	M12x1.5	44	25	16	14
36C82-10-6BK	10	3/8	-6	9.5	M16x1.5	48	26	16	19
36C82-15-8BK	12	1/2	-8	12.7	M22x1.5	54	28	18	27

7C 60° Cone Swivel Female 90° Elbow



Part Number	Hose I.D.				Thread metric	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
37C82-6-4BK	6	1/4	-4	6.4	M12x1.5	30	11	22	14
37C82-10-6BK	10	3/8	-6	9.5	M16x1.5	34	11	25	19
37C82-15-8BK	12	1/2	-8	12.7	M22x1.5	43	16	32	27

Also available in stainless steel. Details can be found in CAT 4400.1/UK

Approved **fitting series** for hose types:

K: without plastic ring; **B:** Brass; **SM:** Metric Hexagon

82 801 804 821FR 830M 831 836 837BM 837PU 838M

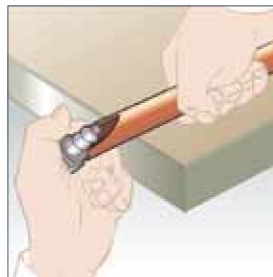
Assembly Instructions



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.

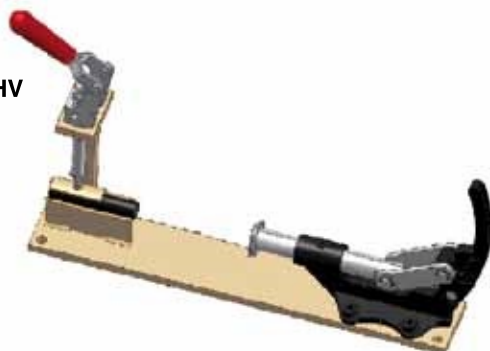
Assembly Tool

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

