



*The Push-fit Solution for
Blown Fibre & Cable Systems*



www.cmc.pt

Quality Manufacture

The John Guest Group has a long established reputation as a world leading manufacturer of push-fit fittings, tube and other fluid control products. A reputation built on producing consistently high quality products with an ongoing commitment to value engineering and product development.



A commitment to quality is at the heart of the John Guest philosophy

The strictest control is maintained by virtue of the fact that design and manufacture is carried out in modern purpose built manufacturing centres in west London and at Maidenhead in Berkshire.

Maintaining control over the whole process from initial tool design and tool making through to final assembly and testing ensuring that only products of the highest quality are produced.

The company believe it is this commitment to quality that has led to it receiving prestigious awards from many of the world's leading testing and approvals organisations.

John Guest is a preferred supplier to many international companies.

John Guest aim to ensure that its products comply with relevant national/international standards and subjects its products to appropriate testing programs.



Since 1989

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A Range of Push-fit Connectors specially designed and produced for blown fibre and cable applications



Fibres/Cables can be blown through most connectors in either direction (check with product data sheets).

To make a connection, push the tube into the fitting. The unique John Guest locking system then seals and connects the microduct tube providing a seamless path for unhindered fibre bundle or cable passage.

For additional security i.e. direct buried applications, the 'Speedfit Secure' range incorporates an integral collet locking feature.

STRAIGHT TUBE CONNECTORS

Utilising John Guest push-fit technology, this range of connectors is used to join microduct tube.

Note: ØTUBE ID is nominal
CLEAR BODIED CONNECTORS

PART NO.	ØTUBE OD/ID mm	THRO' BORE mm
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Double 'O' ring seal

NC621	5/3.4	5/3.4	3.4
NC674	8/6.4	5/3.4	3.4
NC673	8/6.4	8/6.4	6.4



Single 'O' ring seal

NC2129	3/2.2	3/2.2	2.2
NC2329	5/3.7	3/2.2	2.2
NC2692	5/3.5	5/3.5	3.5
NC2687	7/3.5	5/3.5	3.4 slimline
NC2698	8/5	8/5	5 slimline available soon
NC2697	10/8	10/8	8 slimline
NC2352	10/8.5	10/8.5	8.5
NC2647	12/8	12/8	8
NC2458	12/9.5	12/9.5	9.5
NC2696	12/10	12/10	10 slimline
NC2686	14/12	12/10	10 slimline



Slimline

BLACK BODIED CONNECTORS

PART NO.	ØTUBE OD/ID mm	THRO' BORE mm
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Single 'O' ring seal

LM0403E	3/2.2	3/2.2	2.2
NC2570	4/2.8	3/2.2	2.2
LM0404E	4/3.4	4/3.4	3.4
PM0405E	5/3.4	5/3.4	3.4
NC2558	6/3.5	3/2.2	2.2
PM200604E	6/4.8	4/2.5	2.5
PM0406E	6/4.8	6/4.8	4.8
NC2655	7/3.5	7/3.5	3.5 Speedfit Secure
NC2534	7/4	7/4	4 Speedfit Secure
PM200804E	8/6.3	4/2.5	2.5
PM200806E	8/6.3	6/4.8	4.8
NC2673	8/5.5	8/5.5	5.5 Speedfit Secure
PM0408E	8/6.3	8/6.3	6.3
NC2730	8.5/6	8.5/6	6 Available Soon
PM201004E	10/7.6	4/2.5	4.8
PM201006E	10/7.6	6/4.8	4.8
PM201008E	10/7.6	8/6.3	6.3
PM0410E	10/7.6	10/7.6	7.6
NC2693	10/8	10/8	7.9 Speedfit Secure
PM201208E	12/8.6	8/6.8	6.3
PM201210E	12/8.6	10/7.6	7.6
PM0412E	12/8.6	12/8.6	8.6
NC2691	12/10	12/10	10 Speedfit Secure
NC2519	14/10	14/10	9.8 Speedfit Secure
PEM0416W	16/13.9	16/13.9	13.9
PM0418E	18/16	18/16	16



All black bodied connectors provide the benefit of improved UV protection.



Typical use of a John Guest Gas Block/Fibre Lock & Straight Reducing Connector in a customer splicing point enclosure.

BULKHEAD CONNECTORS



PART NO.	TUBE OD mm	THRO' BORE mm
PM1204E	4	2.5
PM1205E	5	3.4
PM1206E	6	4.8
PM1208E	8	5.8
NC2729	8.5	6
PM1210E	10	7.6
PM1212E	12	8.6



PART NO.	ØTUBE OD/ID mm	THRO' BORE mm	MOUNTING HOLE Ømm
NC2113	5/3.4	5/3.4	3.4

Snap fit.

END STOPS



PART NO.	TUBE OD mm
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NC711-02	5 Superseal
NC712-02	8 Superseal



NC2284	3
NC2576	4
NC753	5
PI4608S	1/4"/6
PSE4610W	10
PM4612E	12
PM4615E	15
PSE4616W	16
PM4618E	18
NC2656	7 Speedfit Secure
NC2520	14 Speedfit Secure

REDUCERS AND ENLARGERS

Reducer & Enlargers can be used in conjunction with straight water and gas block connectors.

ENLARGER

PART NO.	Ø STEM OD/ID mm	Ø TUBE OD/ID mm	THRO' BORE mm
PMI30405E	4/2.5	5/2.5	2.5
NC843	5/3.0	8/3.0	3.0



REDUCER

PART NO.	Ø STEM OD/ID mm	Ø TUBE OD/ID mm	THRO' BORE mm
PM060504E	5/2.5	4/2.5	2.5
PM060605E	6/4.0	5/3.4	3.4
PM060805E	8/3.4	5/3.4	3.4



GAS BLOCK CONNECTORS

Provides a simple and effective gas seal between the tube and the fibre bundle or mini cable, eliminating the need for sealing resin. The connector through bore provides uninterrupted passage for blown fibre/mini cable.

Note: ØTUBE ID is nominal
PART NO. **ØTUBE OD/ID mm** **GAS BLOCKING RANGE Ømm**



SUPERSEAL			
PART NO.	ØTUBE OD/ID mm	ØTUBE ID/ID mm	GAS BLOCKING RANGE Ømm
GB-55-01	5/3.5	5/3.5	0.9-2.5
GB-85-01	8/6.3	5/3.5	0.9-2.5
GB-88-01	8/6.3	8/6.3	0.9-4.5

PART NO. **ØTUBE OD/ID mm** **GAS BLOCKING RANGE Ømm**

'RING TYPE' - SQUEEZE TO RELEASE

NC2525	4/2.2	4/2.2	0.9-1.2
NC2559	6/2.7	3/2.2	0.9-1.2
NC2526	6/2.7	4/2.2	0.9-1.2
NC2676	6/2.7	6/2.7	1.4-1.6
NC2728	8.5/6	8.5/6	to be advised available soon

TRANSPARENT BODY/ SPEEDFIT SECURE

NC2657GB	7/3.5-4	7/3.5-4	1.0-1.6
NC2657RB	7/3.5-4	7/3.5-4	1.8-2.4
NC2657BB	7/3.5-4	7/3.5-4	2.4-3

'PEG TYPE'/SPEEDFIT SECURE

NC2670RB	14/10	14/10	6.5-7.2
NC2670BB	14/10	14/10	7.6-8.2

'PEG TYPE' SQUEEZE TO RELEASE/SPEEDFIT SECURE

NC2689GB	10/8	10/8	5.5-6.6
NC2689RB	10/8	10/8	6.6-7.2
NC2690GB	12/10	12/10	5.5-6.6
NC2690RB	12/10	12/10	6.6-7.2
NC2690BB	12/10	12/10	7.2-8.2
NC2670-02RB	14/10	14/10	6.5-7.2
NC2670-02BB	14/10	14/10	7.6-8.2

PART NO. **ØTUBE OD/ID mm** **GAS BLOCKING RANGE Ømm**

NC2524	3/2.2 Fibre Lock		0.9-1.2 Gas Block/Fibre lock.
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CLOSE DOWN ASSEMBLIES

For centre blowing applications



PART NO.	TUBE OD mm	THRO' BORE mm
NC558	5	5.2

Close Down 2A.



PART NO.	TUBE OD mm	THRO' BORE mm
NC2136	3	3.2
NC2130	5	5.2

Close Down 3A.

WATER BLOCK CONNECTORS

The Water Block range of connectors has been designed for fast installation times and reliable performance.



PART NO.	TUBE OD/ID mm	THRO' BORE mm
WB-55-01B	5/3.5	0.9



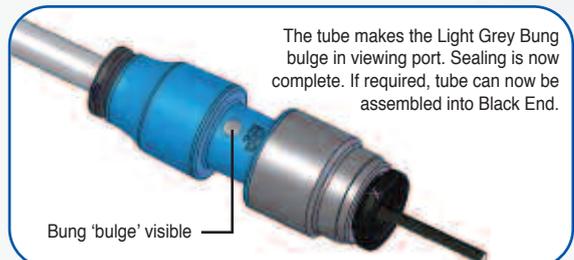
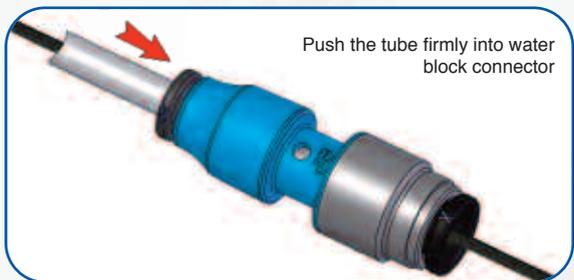
PART NO.	ØTUBE OD/ID mm	THRO' BORE mm
NC2311	3/2.2	3/2.2
NC2179	5/3.0	3/1.4
NC2571	4/2.2	3/2.1
NC2719	6/2.2	3/2.2



PART NO.	ØTUBE OD/ID mm	WATER BLOCKING RANGE Ømm
*NC2589	3/2.2 fibre lock	0.9 - 1.2 Water Block/Fibre Lock.



PART NO.	ØTUBE OD/ID mm	WATER BLOCKING RANGE Ømm
NC2674	3/2	0.95 - 1.45



*Except for NC2589 and NC2674.

Speedfit Secure®

A robust connector range with integral collet locking feature. The 'Speedfit Secure' range of connectors have been designed to ensure fast and secure installation and reliable performance in testing conditions.

'SPEEDFIT SECURE' STRAIGHT CONNECTOR

Utilising John Guest push-fit technology, this range of connectors is used to join microduct tube.



PART NO.	ØTUBE OD/ID mm	THRO' BORE mm
NC2655	7/3.5 7/3.5	3.5
NC2534	7/4 7/4	4
NC2673	8/5.5 8/5.5	5.5
NC2693	10/8 10/8	7.9
NC2691	12/10 12/10	10
NC2519	14/10 14/10	9.8



Push the tube fully into the connector, up to the tube stop. Twist the locking cover 1/4 turn clockwise to prevent accidental pipe release. (Cover aligns with profile on body)



To release the tube twist the locking cover 1/4 turn anti-clockwise, push the collet square against the face of the connector, then remove tube. (Cover misaligns with profile on body)

'SPEEDFIT SECURE' END STOPS



PART NO.	TUBE OD mm
NC2656	7
NC2520	14

FIBRE CABLE END SEAL



PART NO.	TUBE OD mm	Fibre Cable OD mm
NC2594	14	6.5

With facility in head to accommodate & retain protective minicable sheathing - where used. Intended for use with NC2519 - see above.



'SPEEDFIT SECURE' GAS BLOCK CONNECTOR

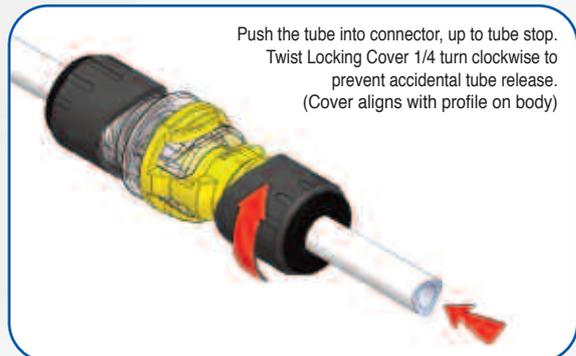
The Gas block connectors utilise John Guest Push-fit technology allowing gas blocking connections to be made simply without the need for tools.



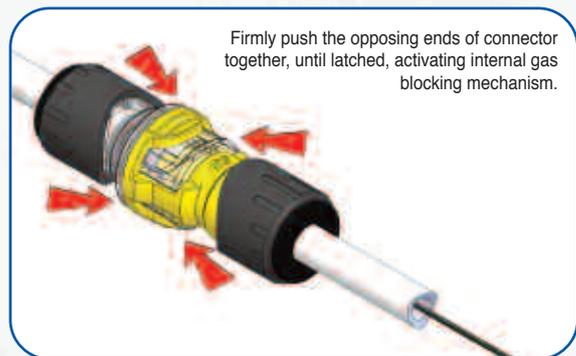
PART NO.	TUBE OD/ID mm	THRO' OD/ID mm	GAS BLOCKING RANGE Ømm
NC2657GB	7/3.5-4	7/3.5-4	1.0-1.6
NC2657RB	7/3.5-4	7/3.5-4	1.8-2.4
NC2657BB	7/3.5-4	7/3.5-4	2.4-3.0
NC2689GB	10/8	10/8	5.5-6.6
NC2689RB	10/8	10/8	6.5-7.2
NC2690RB	12/10	12/10	6.6-7.2
NC2670RB	14/10	14/10	6.5-7.2
NC2670BB	14/10	14/10	7.6-8.2



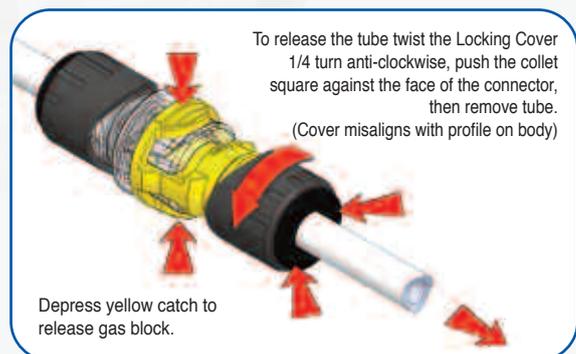
SQUEEZE TO RELEASE - 'RING TYPE' GAS BLOCK OPERATION



Push the tube into connector, up to tube stop. Twist Locking Cover 1/4 turn clockwise to prevent accidental tube release. (Cover aligns with profile on body)



Firmly push the opposing ends of connector together, until latched, activating internal gas blocking mechanism.



To release the tube twist the Locking Cover 1/4 turn anti-clockwise, push the collet square against the face of the connector, then remove tube. (Cover misaligns with profile on body)

Depress yellow catch to release gas block.

12 WAY RIBBON CONNECTOR - MALE



PART NO.	TUBE OD mm	THRO' BORE mm
NC2577-01	3	1.2

12 WAY RIBBON CONNECTOR - FEMALE



PART NO.	TUBE OD mm	THRO' BORE mm
NC2577-02	3	1.2

- Male and Female Ribbon Connectors attach together.



COLLET COVER - BLACK

For use with some Blown Fibre Connectors. Please confirm compatibility before purchase. Provides protection from accidental release and dirt ingress.



PART NO.	TUBE OD mm
PM1904E	4
PM1905E	5
PM1906E	6
PM1908E	8
PM1910E	10
PM1912E	12

Other colours available - Please enquire.

TUBE CUTTER



PART NO.
TSNIP

Suitable for up to 12mm tube.

PIPE CUTTER



PART NO.
JG-TS

Suitable for up to 22mm tube.

PLUGS



Special, use with NC2627 removal tool

PART NO.	TUBE OD mm
PM0804R	4
PM0805R	5
PM0806R	6
PM0808R	8
PM0810R	10
PM0812R	12
PM0818R	18
C-1170702	6

COLLET CLIPS



PART NO.	TUBE OD mm
PM1805R	5
PMC1808R	8
PM1810R	10
PM1812R	12

Secures the collet in its position to prevent an accidental disconnection of the tube.

PLASTIC CARTRIDGES

A quick, simple and efficient way of incorporating a push-fit connection into original equipment.

The Plastic Cartridge is made up of three components, a body, an 'O' ring and a collet to grip the tube. When the body is inserted, stainless steel teeth grip the bore of the housing. As the system comes under pressure so more grip is applied.

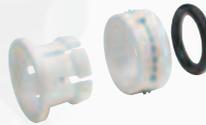
PART NO.	TUBE OD	PART NO.	TUBE OD
1 'O' ring PM2804E	4mm	2 'O' rings PM2805E2	5mm
PM2805E	5mm	PM2806E2	6mm
PM2806E	6mm	PM2808E2	8mm
PM2808E	8mm	PM2810E2	10mm
PM2810E	10mm		
PM2812E	12mm		
PM2815E	15mm		

Black Acetal Collet,
Black Acetal Body,
Nitrile 'O' Ring.



Black Acetal Collet,
Black Acetal Body,
EPDM 'O' Ring.

PART NO.	TUBE OD
PCM2806E	6mm
PCM2808E	8mm
PCM2810E	10mm
PCM2812E	12mm



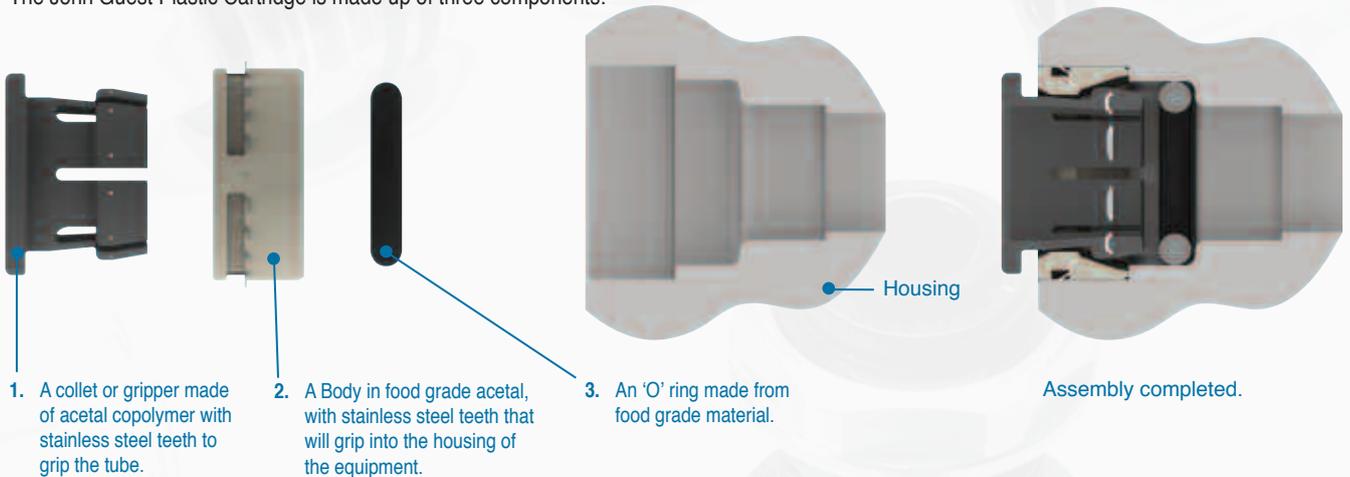
White Acetal Collet,
White Acetal Body,
EPDM 'O' Ring.

PART NO.	TUBE OD
CM2815W	15mm
CM2822W	22mm

	4mm	5mm	6mm	8mm	10mm	12mm
Expected Assembly Effort (Cartridge into acetal housing)	180N	180N	200N	220N	250N	300N
Typical Retention (Cartridge in acetal housing)	450N	450N	650N	700N	750N	1000N

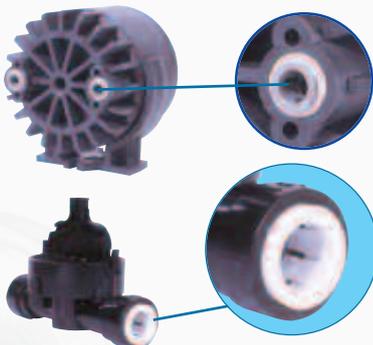
A full Product Appreciation and Technical Specification is included in the John Guest Cartridge Systems Catalogue.

The John Guest Plastic Cartridge is made up of three components:-

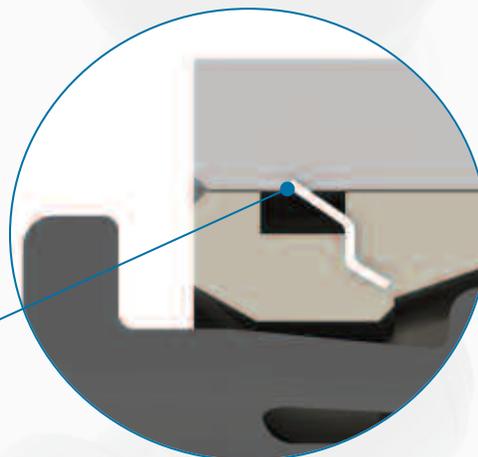


With the cartridge in its installed position the stainless steel teeth sink into the housing to a depth dependent upon the hardness of the housing material used.

When the system is under pressure the cartridge is held firmly in the body by the stainless steel teeth.



Stainless Steel Tooth



John Guest International Limited



EST. 1961 
AS BRITISH AS THE DAY IT WAS BORN

cunha  mendes cunha, lda
Equipamentos Industriais

email: cmc@cmc.pt

web: www.cmc.pt

Product Selection and Installation

John Guest fittings and related products are specifically designed and manufactured by John Guest to the Technical Specifications set out in the John Guest Product Catalogues. All John Guest fittings and related products should be selected, installed, used and maintained in accordance with these Technical Specifications. It is the customer's / user's responsibility to ensure that John Guest fittings and related products are suitable for their intended applications, and are properly installed and maintained and are used in accordance with the Technical Specifications. It is also the customer's / user's responsibility to provide it's customers with any relevant technical information about John Guest products it supplies them.

The company has a policy of continuous research and development and reserves the right to amend without notice the specification and design of all products illustrated in this catalogue. John Guest reserve the right to change the colour and shape of products. Photographs are for illustration purposes only.

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