



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



*February 2014*

## *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
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Gas Block/Fibre lock.



## 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

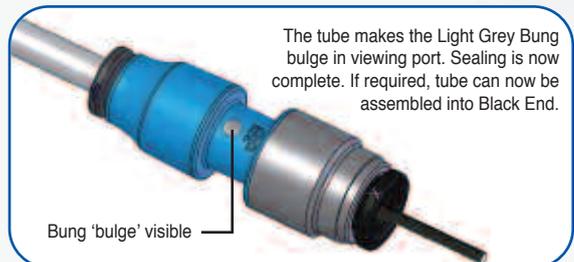
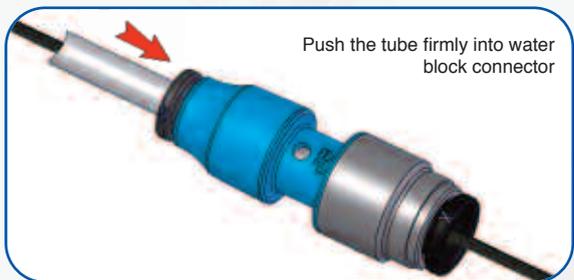


PART NO.	ØTUBE OD/ID mm	WATER BLOCKING RANGE Ømm
*NC2589	3/2.2 fibre lock	0.9 - 1.2

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<sup>®</sup>

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
NC2534	7/4	7/4
NC2673	8/5.5	8/5.5
NC2693	10/8	10/8
NC2691	12/10	12/10
NC2519	14/10	14/10



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

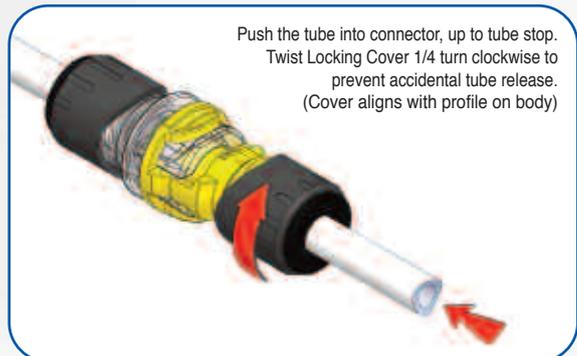
The Gas block connectors utilise John Guest Push-fit technology allowing gas blocking connections to be made simply without the need for tools.



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



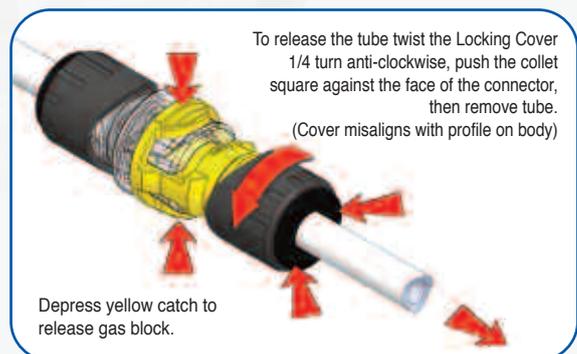
## SQUEEZE TO RELEASE - 'RING TYPE' GAS BLOCK OPERATION



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		2 'O' rings	
PM2804E	4mm	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



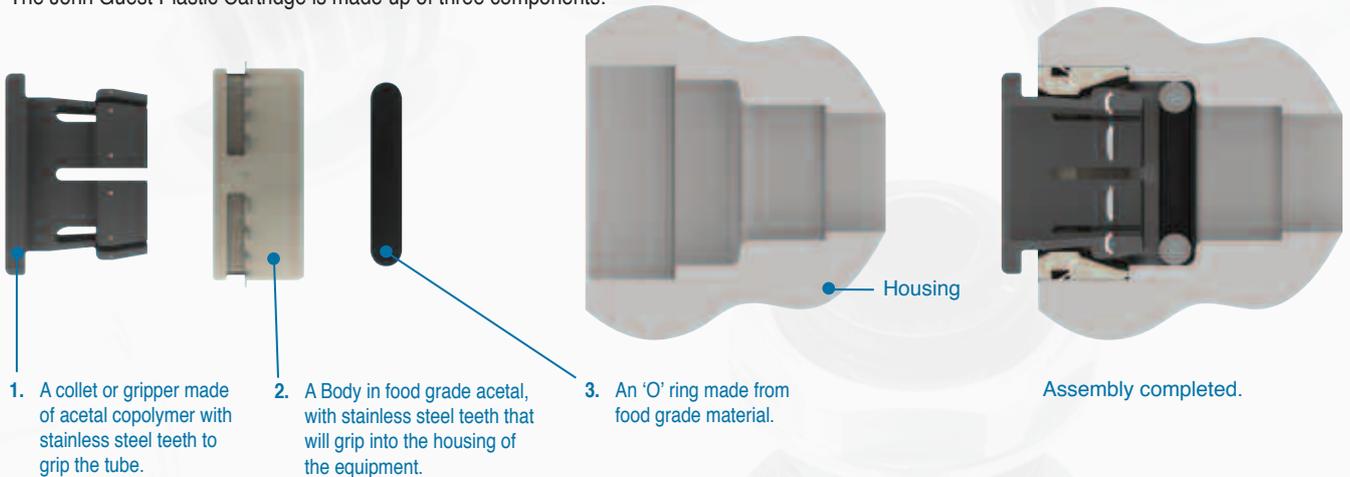
White Acetal Collet,  
White Acetal Body,  
EPDM 'O' Ring.

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

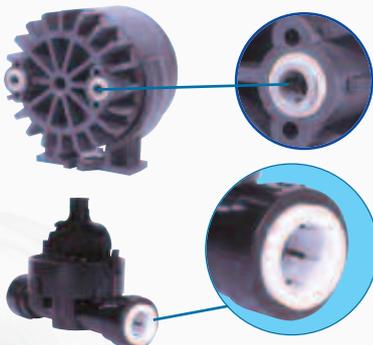
A full Product Appreciation and Technical Specification is included in the John Guest Cartridge Systems Catalogue.

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

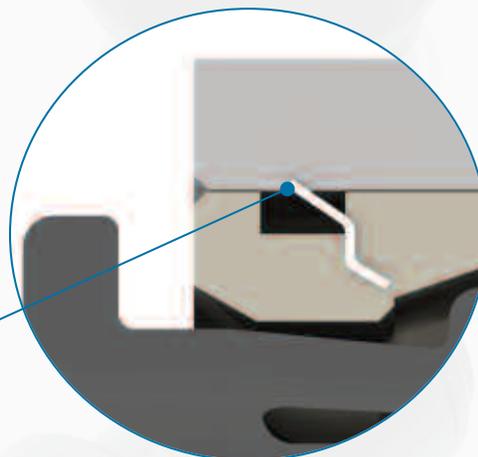


With the cartridge in its installed position the stainless steel teeth sink into the housing to a depth dependent upon the hardness of the housing material used.

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



Stainless Steel Tooth





# GENERAL CONDITIONS OF SALE

## 1. GENERAL

(a) These conditions and any special conditions agreed in writing between us and the purchaser shall apply to all by us and all orders and contracts for the manufacture or sale of goods accepted or carried out by us to the exclusion of any conditions in the purchaser's order terms or otherwise imposed by the purchaser.

(b) All orders are subject to our written acceptance and in particular no binding contracts shall be created by the acceptance by the purchaser of a quotation or offer made by us unless and until we shall have accepted the order in writing.

## 2. DOCUMENTS

(a) Unless otherwise stipulated in our written acceptance all descriptions, illustrations, drawings in our catalogues and literature (copies of which are available on request) or submitted independently, estimates of performance, weights and measurements or other specifications provided by us are approximate only and we reserve the right to alter or amend the same at any time.

(b) We reserve the right at any time to correct clerical or technical errors in the contract documents.

(c) The purchaser shall furnish with his order all necessary specifications and information. We take no responsibility for goods manufactured, priced or delivered not in accordance with the order or the specifications unless the purchaser's order and specifications are clear and correct in every particular.

## 3. ADVISORY SERVICE

The advisory service which we provide in connection with our goods is part of our sales service and we do not make any charge for advice given. Any advice and assistance is given at the purchaser's risk and we shall not be liable for any loss, damage or claims arising therefrom.

## 4. HEALTH AND SAFETY AT WORK ACT

The purchaser's attention is drawn to the installation, maintenance and operating instructions given in our catalogues or literature. These should be carefully followed. Further information if required is available at our Head Office.

## 5. PRICES

(a) Unless otherwise stipulated all prices contained in our quotations and written acceptances are ex works and do not include the cost of packing. All orders are accepted on the condition that all such prices are subject to revision by us at any time before the goods are dispatched to take account of any increase in costs.

(b) In the event of the whole order quoted for not being placed with us we reserve the right to revise our prices.

(c) We also reserve the right to revise our prices if any changes are made by the purchaser in the specifications or quantities of the goods or delivery requirements after the order has been accepted.

## 6. VALUE ADDED TAX

VAT if not included in our quotation shall be added and payable where and at the rate applicable.

## 7. MINIMUM CHARGE

Depending on the product or service provided, a minimum order charge may be applicable. Details of these charges are as shown on current price lists or quotations or are available from the Customer Services Department.

## 8. TERMS OF PAYMENT

(a) Unless otherwise stipulated in our written acceptance our terms of payment are 30 days from date of invoice.

(b) Overseas business is accepted subject to special terms as to payment to be agreed prior to our written acceptance of the order.

(c) Where the contract is to be or may be fulfilled in separate installments, deliveries or part payment for each such installment delivery or part shall be made under sub-clause (a) above as if the same constituted a separate contract.

(d) We shall be entitled to interest on all sums overdue at the rate of two and one half percent above our bank's base rate from time to time in force.

(e) In the event of the purchaser for any reason whatsoever failing within one calendar month of the due date for payment to effect any payment which may be due under the contract or any contract with us, or if he commits any breach of the contract, or if he becomes insolvent or commits any act of bankruptcy or calls a meeting of or enters into a competition with or for the benefit of his creditors, or being a body corporate, has a receiver appointed of its undertaking or assets or any part thereof or a winding up order is made against the purchaser or the purchaser goes into liquidation (save for the purpose or reconstruction or amalgamation), we shall thereupon be entitled, without prejudice to our other rights, forthwith to terminate the contract or any unfulfilled part thereof, or at our option to make partial deliveries.

## 9. CANCELLATION

No order or other contract may be cancelled or varied except by agreement in writing with us, and on such terms as we may stipulate.

## 10. HANDLING CHARGE

Goods supplied in accordance with the purchaser's order may later be returned to us at our discretion provided the goods are unused. The purchaser will be required to pay to us a handling charge of 15% to 30% of the then current list price of such returned goods, dependent on the condition of the goods.

## 11. TIME FOR DESPATCH

(a) All periods or dates quoted for despatch and delivery are approximate only.

(b) We shall be entitled, without liability on our part and without prejudice to our other rights, to terminate the contract or any unfulfilled part thereof, or at our option to suspend or make partial deliveries if the completion or the manufacture of the goods by us or by our suppliers is prevented, hindered or delayed whether directly or indirectly by reason of the purchaser failing to furnish necessary information or instructions, or of any strikes, lock-outs, fire, flood, accident or damage to goods or delay in obtaining or inability to obtain through scarcity of materials, or any other cause whatsoever beyond our or our suppliers' reasonable control, whether such cause exists at the date of the order or not.

## 12. DELIVERY AND RISK IN GOODS

(a) Unless otherwise expressly agreed in writing, or as otherwise herein provided, delivery of the goods shall be deemed to be made when we have notified the purchaser that the goods are ready for despatch from our works and the risk in the goods shall thereupon pass to the purchaser. We shall not in any event be under any obligation to give to the purchaser the notice specified in Section 32 (3) of the Sale of Goods Act 1979.

(b) Notwithstanding that our prices are ex works we are prepared by special contract to procure carriage or freight and insurance on behalf of the purchaser and at his cost in which event we shall be under no liability for damage in transit loss or damage to the goods beyond the point of which we contract to deliver the same.

(c) The following provisions shall apply in relation to all deliveries of goods.

(i) we will entertain no claim for damage in transit, shortage of delivery or loss of goods, unless in the case of damage in transit or shortage of delivery a separate notice in writing is given to the carrier concerned and to us within three days of the receipt of the goods, followed by a complete claim in writing within five days of receipt of the goods and in the case of loss of goods, a separate notice in writing is given to the carrier concerned and to us and a complete claim in writing made within thirty days of the date of consignment;

(ii) where goods are accepted from the carrier concerned without being checked the delivery book of the carrier concerned must be signed 'not examined';

(iii) we shall have the right to attend at the purchaser's premises to inspect any goods in respect of which any such claim is made and the purchaser shall retain such goods until we shall have inspected such goods or until we have notified the purchaser that we do not wish to inspect such goods;

(iv) any breach of this condition shall dis-entitle the purchaser to any allowance in respect of the claim.

(d) Without prejudice to our other rights, should the purchaser fail for any reason to send us forwarding instructions within ninety days after the date of our notification that the goods are ready for despatch or to accept delivery of

the goods we shall be entitled at the purchaser's risk and expense to store the goods and/or to procure or effect storage of the goods elsewhere. Goods so stored shall be paid for as if they had been dispatched and/or accepted.

## 13. PROPERTY IN THE GOODS

Until further payment has been received by us for all goods whatsoever supplied at any time by us to the purchaser:

(a) Property in the goods shall remain in us.

(b) Subject to sub-clauses (c) and (d) below the purchaser shall be at liberty to sell the goods in the ordinary course of business on the basis that the proceeds of sale shall be our property and that the purchaser shall account to us on demand.

(c) We may at any time revoke the purchaser's power of sale by notice to the purchaser if the purchaser is in default for longer than seven days in the payment of any sum whatsoever due to us or if we have bona fide doubts as to the solvency of the purchaser.

(d) The purchaser's power of sale shall automatically cease if the purchaser becomes insolvent or commits any act of bankruptcy or calls a meeting of or enters into composition or arrangement with or for the benefit of his creditors, or being a body corporate has a receiver appointed of its undertaking or assets or any part thereof or a winding-up order is made against the purchaser or the purchaser goes into liquidation (save for the purposes of reconstruction or amalgamation).

(e) Upon determination of the purchaser's power of sale under sub-clause (c) or (d) above the purchaser shall place the goods at our disposal and we shall be entitled to enter any premises of the purchaser for the purpose of removing such goods from the premises.

## 14. SPECIAL TOOLS OR DIES

Where it is necessary for us to manufacture or to purchase special tools, dies, jigs, mandrills in order to execute a contract the purchaser will be charged with a proportion of the cost of such special tools. Any such tools remain our property even when the purchaser has been charged with part of the cost.

## 15. TEST AND PERFORMANCE

(a) Our goods are, where practicable, submitted to our standard test before delivery. If special tests are required, these shall be made at our premises unless otherwise agreed, and will be charged extra.

(b) We accept no liability for failure to attain any performance figures quoted by us unless we shall have specifically guaranteed them with an agreed sum as liquidated damages and the purchaser has suffered loss by reason of the failure to attain the figures quoted.

(c) Any particulars of weights and measurements, power and consumption, power output or performance relating to the goods and like matters furnished by us to the purchaser in our catalogues, literature or otherwise, are approximate and are intended only to present a general idea of the goods to be supplied and unless previously agreed specifically in writing shall not form part of the contract.

## 16. FAULTS AND DEFECTS AND EXCLUSION OF LIABILITY

(a) We warrant that if within twelve months of delivery of the goods to the purchaser the purchaser returns immediately to our premises any of the said goods which he considers to be defective, carriage paid, properly packed and clearly marked with the purchaser's full name and address and any other information such as serial numbers which may be necessary to enable the goods to be identified, together with a complete description of the respects in which it is alleged that the goods are defective, such goods will be examined and should we be satisfied that the goods are defective, they will be repaired or new goods will be supplied in exchange and the goods so repaired or such new goods will be delivered to the purchaser free of charge at our premises provided that the foregoing warranty shall only be applicable if upon being required by us to do so the purchaser proves to our satisfaction:

(i) that the defect was due solely to defective workmanship;

(ii) that no alterations or repairs have been made to the goods except with our written consent;

(iii) that the defect was not caused by incorrect or negligent handling or storage, disregard of operating instructions, over-loading, unsuitable work, faulty erection or any other default by the purchaser, his servants or agents;

(iv) that the defect was not caused by fair wear and tear, accident, or any other matter beyond our reasonable control occurring after the date of receipt by the purchaser.

(b) All costs and expenses, including freight charges, customs duties and insurance costs incurred in returning the goods to our premises in accordance with this condition shall be for the account of the purchaser. The benefit of this warranty shall not be assignable by the purchaser.

(c) The warranty contained in sub-paragraph (a) above does not extend to any goods not manufactured by us although supplied by us nor does it extend to any second-hand or reconditioned goods. Goods not manufactured by us carry only the warranty (if any) of the makers and the purchaser is entitled to the benefit thereof only so far as we have the power to transfer it.

(d) The terms of this condition are in lieu of all conditions, warranties or other terms as to description, fitness for purpose, condition, merchantability, quality or otherwise in respect of the goods or repaired or replacement goods whether expressed in the contract or implied by common law, custom or statute and notwithstanding that such purpose or condition may be, may become or may have been known to us. Apart from our obligation to repair or replace goods in accordance with the terms of this condition, we accept no liability in respect of the goods whether for consequential loss or loss of profits or damages to third parties or otherwise, to the extent permitted by law.

## 17. INDEMNITY

The purchaser shall indemnify us against all actions, claims, demands, penalties and costs by third parties in tort, or for infringement, or alleged infringement, of patents, registered designs or other industrial property rights, or otherwise arising, in connection with the goods or with their delivery or unloading or with work done by us on the goods manufactured in accordance with the purchaser's specifications.

## 18. LIEN

In addition to any right of lien to which we may by law be entitled we shall have a general lien on all goods of the purchaser in our possession (although such goods or some of them may have been paid for) for the unpaid price of any other goods sold and delivered to the purchaser by us under the same or other contracts.

## 19. WAIVER

Our rights shall not be affected or restricted by any indulgence or forbearance granted to the purchaser. No waiver by us of any breach shall operate as a waiver of any later breach.

## 20. LAW AND JURISDICTION

The rights and obligations of the parties and all the terms and conditions thereof any disputes arising out thereof shall be construed in accordance with English Law to the jurisdiction of the courts of which the purchaser shall submit.

## 21. GENERAL

If any of these conditions or any part thereof:

(i) purports to exclude or restrict or limit any liability and such exclusion or restriction or limitation is prohibited or rendered void or unenforceable by any legislation to which it is subject;

(ii) is itself prohibited or rendered void or unenforceable by any legislation to which it is subject;

then the exclusion restriction or limitation on the condition or part thereof in question shall be so prohibited or rendered void or unenforceable to the extent to which it is prohibited or rendered void or unenforceable and no further and the validity or enforceability or any other part of these conditions shall not thereby be affected.

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### 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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