



FLEXIBLE CONDUIT SYSTEMS



METALLIC CABLE PROTECTION EQUIPMENT

CONDUIT & FITTINGS

TRUNKING

ADAPTABLE/SWITCH
& SOCKET BOXES

RMC/IMC/EMT
STAINLESS SYSTEMS

THE COMPANY

Barton Engineering produce and supply the premium quality Barton brand of UK manufactured hot dipped galvanised steel conduit, all main associated electrical cable management systems and a wide range of accessories and fittings.

Barton conduit is produced at its own largescale, modern integrated tube rolling mill in Oldbury, which is located in the industrial West Midlands region of the UK.

Barton products are renowned for their high quality, competitive pricing and worldwide exports.

In 2015, Liberty House Group acquired the business and assets, including all worldwide IPR and trademarks of Barton and today Barton Engineering is an operating division of Liberty Precision Tubes, part of Liberty Tubular Solutions.

Liberty House Group is an international business, specialising in metals trading, manufacture and distribution of steel and advanced engineering products. Operating from four strategically positioned financial hubs in London, Dubai, Singapore and Hong Kong, the Group has sites in Europe, Africa, the Far and Middle East, Australia and North America.

In the Middle East, the entire Barton range is exclusively available through Liberty Building Solutions FZE, who operates a regional distribution centre at Jebel Ali Free Zone South, UAE.

THE QUALITY

The premium quality products listed in this brochure are either manufactured by Barton Engineering under a certified and independently audited ISO 9001 Quality Management System at Liberty Precision Tubes, or are manufactured by our approved suppliers under a certified ISO 9001 system or have their quality assured to the same level rigorous inspection processes at Barton Engineering.

The ISO 9001 Quality Management System includes a complete set of working practices, disciplines and procedures implemented at each stage of the manufacturing programme from raw material receipt to final pre delivery inspection.

As a result, all Barton products perform to the highest quality and safety standards.

THE SERVICE

Barton provide a highly efficient customer focused operation, with fully trained specialist sales personnel available to support all clients at all times.

STANDARDS

Barton products are generally manufactured in accordance with the relevant British Standards. Details of particular standards are given below:

Product	British and European (Euro Norme) Standards
Rigid Steel Conduit, Fittings & Accessories	BS 4568 Part 1 & 2 BS EN 50086-1 BS EN 50086-21 BS EN 61386-1 BS EN 61386-21 BS 31
Adaptable Boxes	BS 4568 Part 2
Flexible Conduit	BS EN 61386-23
Switch and Socket Boxes	BS 4662
Trunking	BS 4678

Barton Engineering operations are subject to the Liberty Precision Tubes continuing assessment programme by BSI Assurance UK which confirm compliance with ISO 9001:2008 certificate no. FS 657067



About Liberty House Group



Liberty House Group is an international business, specialising in metals trading as well as the manufacture and distribution of steel and advanced engineering products. Operating from four strategically positioned financial hubs in London, Dubai, Singapore and Hong Kong, the Group has sites in Europe, Africa, the Far and Middle East, Australia and North America. With a network of offices spread across 30 countries around the world, its current turnover is approximately \$4.3 billion and it employs circa 3,000 people globally.

Liberty House Group has two main operating arms – Liberty Commodities and Liberty Industries.

Liberty Commodities (LCG), part of the Liberty House Group, is a comprehensive product and services provider to the global steel and metal industries. The business delivers innovative trade and supply chain solutions, including financing options to its clients through a global network developed over a quarter of a century.

Liberty Industries Group (LIG) is an integrated steel manufacturer and distributor, with processes ranging from the production of liquid steel to value added advanced engineering products. Divided further into Liberty Steel Group (LSG) and Liberty Engineering Group (LEG), the division has sites in the United Kingdom, Africa and India, and employs circa 1,500 people. Its global steel

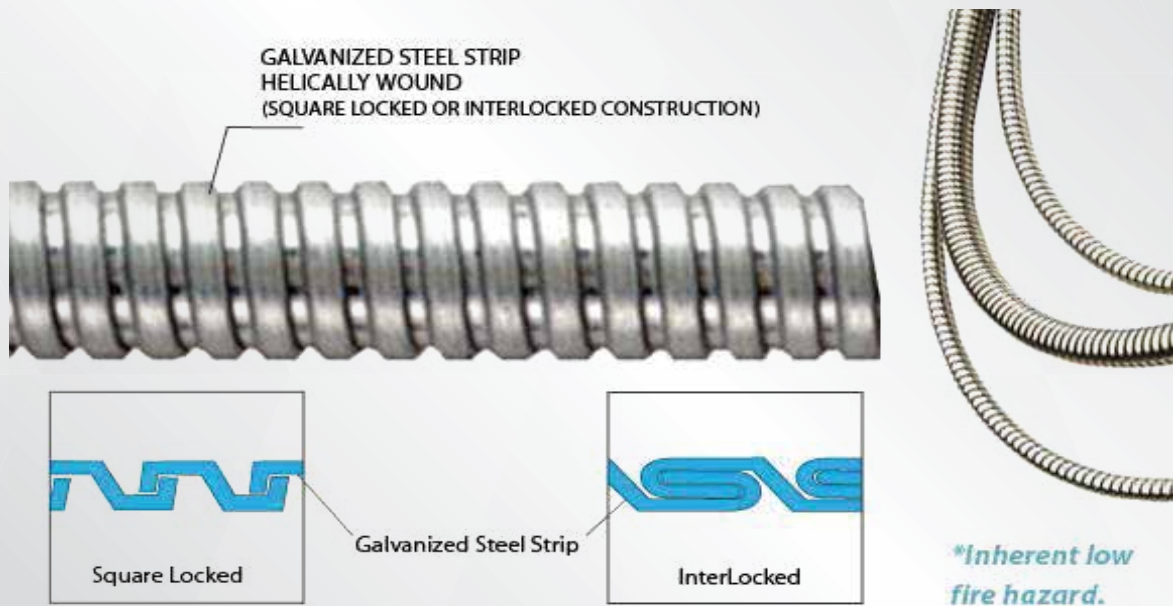
production capacity exceeds 4 million tonnes per annum and its large and diverse product portfolio includes:

- Steel products such as hot rolled steel coil, steel long products, precision steel tube (both ERW and cold rolled), steel precision strip and steel wire;
- Steel distribution;
- Tubular solutions for a range of industries, such as automotive, agriculture, yellow goods, construction, and many others;
- Engineered products for the automotive industry, including OEMs, Tier 1, 2 & 3 suppliers;
- High performance solutions for the motorsport, aerospace and defence industries; and others.

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METALLIC FLEXIBLE CONDUIT

PART CODE	F562GLVOD
DESCRIPTION	METALLIC FLEXIBLE CONDUIT
MATERIAL	GALVANISED STEEL CORE
PRODUCT FEATURES	NO HAZARDOUS SHARP EDGES OR BURRS & SMOOTH INSIDE FOR EASIER WIRE PULLING WILL NOT DAMAGE CONDUCTORS GENERAL PURPOSE APPLICATION, IP 40 RATING CONFORMS TO BS EN 61386-23 FOR USE IN DRY AND ACCESSIBLE LOCATIONS WHERE PROTECTED FROM PHYSICAL DAMAGE OR CONCEALED IN DUCTWORK



Ordering Code	Size (BS)	Nominal External Diameter	Nominal Internal Diameter	Min Bend Radius
	(mm)	(mm)	(mm)	(mm)
F562GLVOD2030	20	20.2	17.0	35
F562GLVOD2530	25	24.7	21.1	45
F562GLVOD3220	32	32.0	28.4	55
F562GLVOD4020	40	39.3	35.3	70
F562GLVOD5020	50	54.4	40.4	90

RESISTANCE TO FLAME PROPAGATION

FLAME DIES IN LESS THAN 30 SECONDS AFTER IGNITION SOURCE REMOVED.

IP RATING WITH RECOMMENDED CONNECTOR

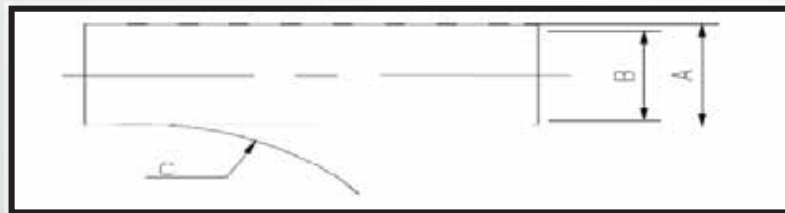
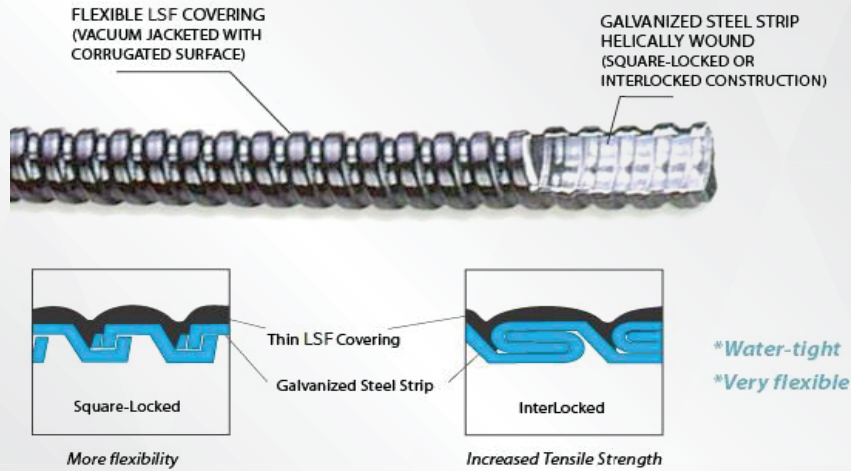
IP 40

OPERATING TEMPERATURE

STATIC - 25° TO + 200° C.
FLEXING - 5° TO + 200° C.

LOW SMOKE & FUME FLEXIBLE CONDUIT

PART CODE	F582LSFOD
DESCRIPTION	FLAME RETARDANT LOW SMOKE AND FUME FLEXIBLE CONDUIT
MATERIAL	GALVANISED STEEL CORE
FINISH	LOW SMOKE & FUME PVC COVERING
PRODUCT FEATURES	<p>NO HAZARDOUS SHARP EDGES OR BURRS SMOOTH INSIDE FOR EASIER WIRE PULLING CONFORMS TO BS EN 61386-23 CORROSION, ABRASION, OIL AND WATER RESISTANT INTENDED TO PROTECT WIRING THAT REQUIRES WATER-TIGHT PROTECTION, BUT ALSO SUBJECT TO REPEATED BENDING</p>



Ordering Code	Size (BS)	External Diameter (A)	Internal Diameter (B)	Min Bend Radius (C)
	(mm)	(mm)	(mm)	(mm)
F582LSFOD2030	20	21.2	17.0	40
F582LSFOD2530	25	25.7	21.1	50
F582LSFOD3220	32	33.0	28.4	60
F582LSFOD4020	40	41.1	36.4	80
F582LSFOD5020	50	54.9	48.2	180

RESISTANCE TO FLAME PROPAGATION

FLAME DIES IN LESS THAN 30 SECONDS AFTER IGNITION SOURCE REMOVED.

IP RATING WITH RECOMMENDED CONNECTOR

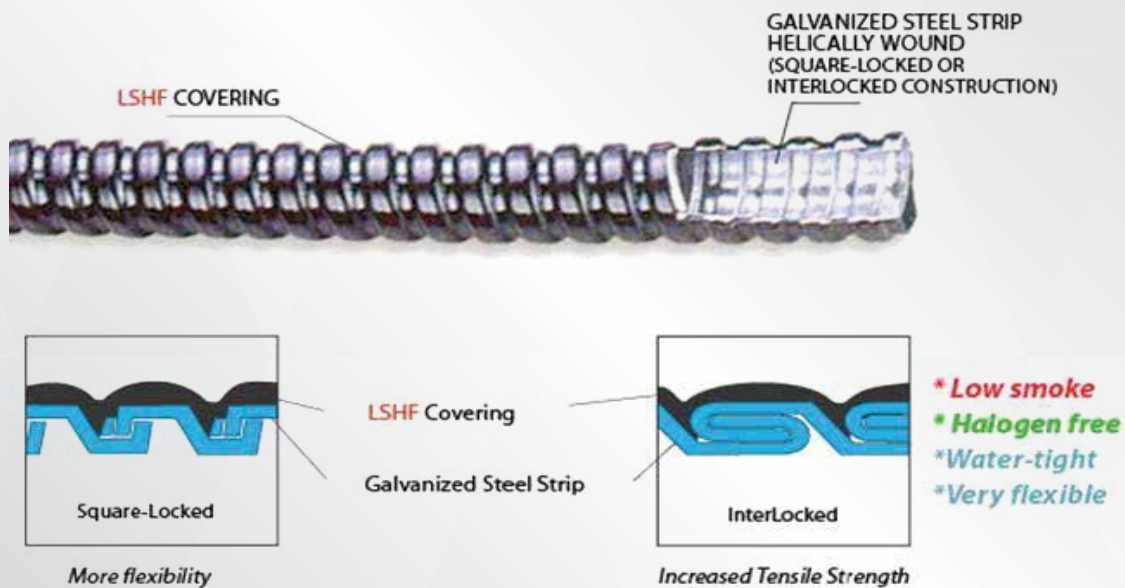
IP 54 WHEN INSTALLED WITH (F543 SERIES)
 IP 66 WHEN INSTALLED WITH (F542 SERIES)

OPERATING TEMPERATURE OF COVERING

STATIC - 25° TO + 90° C.
 FLEXING - 5° TO + 90° C. AT 2x MINIMUM BEND RADIUS

LOW SMOKE ZERO HALOGEN FLEXIBLE CONDUIT

PART CODE	F583LSZHOD
DESCRIPTION	FLAME RETARDANT LOW SMOKE ZERO HALOGEN FLEXIBLE CONDUIT
MATERIAL	GALVANISED STEEL CORE
FINISH	LOW SMOKE ZERO HALOGEN COVERING
PRODUCT FEATURES	NO HAZARDOUS SHARP EDGES OR BURRS SMOOTH INSIDE FOR EASIER WIRE PULLING & CONFORMS TO BS EN 61386-23 SUITABLE FOR WHEN TOXIC GASES CANNOT BE TOLERATED, SUCH AS TRANSIT AND TRANSPORTATION SYSTEMS CORROSION, ABRASION, OIL AND WATER RESISTANT



Ordering Code	Size (BS)	Internal Diameter	External Diameter	Min Bend Radius
	(mm)	(mm)	(mm)	(mm)
F583LSZHOD2030	20	17.0	21.2	45
F583LSZHOD2530	25	21.1	25.7	55
F583LSZHOD3220	32	28.4	33.0	70

RESISTANCE TO FLAME PROPAGATION	FLAME DIES IN LESS THAN 30 SECONDS AFTER IGNITION SOURCE REMOVED.
IP RATING WITH RECOMMENDED CONNECTOR	IP 54 WHEN INSTALLED WITH (F543 SERIES) IP 66 WHEN INSTALLED WITH (F542 SERIES)
OPERATING TEMPERATURE OF COVERING	STATIC - 25° TO + 90° C. FLEXING - 5° TO + 90° C. AT 2x MINIMUM BEND RADIUS

LIQUID TIGHT FLEXIBLE CONDUIT

PART CODE	F592LTOD
DESCRIPTION	LIQUID TIGHT FLEXIBLE CONDUIT
MATERIAL	GALVANISED STEEL CORE WITH COTTON PACKING
FINISH	FLAME RETARDANT PVC COVERING
PRODUCT FEATURES	NO HAZARDOUS SHARP EDGES OR BURRS SMOOTH INSIDE FOR EASIER WIRE PULLING & CONFORMS TO BS EN 61386-23 PROTECTION FOR WIRING CIRCUITS LOCATED IN EXTREMELY WET OR DAMP AREAS OIL & CHEMICAL RESISTANT



Ordering Code	Size (BS)	Nominal Internal Diameter	Nominal External Diameter
	(mm)	(mm)	(mm)
F592LTOD2030	20	16.0	21.0
F592LTOD2530	25	21.0	26.0
F592LTOD3220	32	26.0	33.0
F592LTOD4020	40	35.0	42.0
F592LTOD5020	50	40.0	48.0
F592LTOD6310	63	52.0	60.0

RESISTANCE TO FLAME PROPAGATION

FLAMES DIES IN LESS THAN 30 SECONDS AFTER IGNITION SOURCE IS REMOVED

IP RATING WITH RECOMMENDED CONNECTOR

IP 66

OPERATING TEMPERATURE OF COVERING

Static - 25° TO + 105° C.
Flexing - 5° TO + 105° C.

ELECTRICAL BREAKDOWN VOLTAGE

Greater than 2kV

INSULATION RESISTANCE

Greater than 100MΩ

Our policy is one of continuous product improvement. We reserve the right to revise designs and specifications without prior notice.

LOW SMOKE LIQUID TIGHT FLEXIBLE CONDUIT

PART CODE	F593LSLTOD
DESCRIPTION	LOW SMOKE ZERO HALOGEN LIQUID TIGHT FLEXIBLE CONDUIT
MATERIAL	GALVANISED STEEL CORE WITH COTTON PACKING
FINISH	FLAME RETARDANT LOW SMOKE ZERO HALOGEN PVC COVERING
PRODUCT FEATURES	NO HAZARDOUS SHARP EDGES OR BURRS SMOOTH INSIDE FOR EASIER WIRE PULLING CONFORMS TO BS EN 61386-23 GENERAL PURPOSE APPLICATION, IP 66 RATING OIL & CHEMICAL RESISTANT



Ordering Code	Size (BS)	Nominal Internal Diameter	Nominal External Diameter	Min Bend Radius
	(mm)	(mm)	(mm)	(mm)
F593LSLTOD2030	20	16.0	21.1	75
F593LSLTOD2530	25	21.0	26.4	90
F593LSLTOD3220	32	26.1	33.1	110

RESISTANCE TO FLAME PROPAGATION

FLAMES DIES IN LESS THAN 30 SECONDS AFTER IGNIT ION SOURCE IS REMOVED

IP RATING WITH RECOMMENDED CONNECTOR

IP 66

OPERATING TEMPERATURE OF COVERING

Static - 25° TO + 105° C.
Flexing - 5° TO + 105° C.

ELECTRICAL BREAKDOWN VOLTAGE

Greater than 2kV

INSULATION RESISTANCE

Gre ater than 100MΩ

FLEXIBLE CONDUIT FITTINGS (ZINC)

PART CODE	F543ZNCNOD
DESCRIPTION	CONDUIT FITTINGS FOR BARE, LSF & LSZH FLEXIBLE CONDUIT
MATERIAL	ZINC
FINISH	NICKEL PLATED
PRODUCT FEATURES	NO HAZARDOUS SHARP EDGES OR BURRS SMOOTH INSIDE FOR EASIER WIRE PULLING CONFORMS TO BS EN 61386-23 PRE-PACKAGED WITH A LOCKNUT GENERAL PURPOSE APPLICATION, IP 54 RATING CORROSION, ABRASION, OIL AND WATER RESISTANT



Ordering Code	Conduit Size (BS)	Thread Size	Thread Diameter	Minimum Bore	Across Flats	Thread Length	Nominal Length
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
F543ZNCNOD2020	20	20.0	20.0	14.8	24.0	10.0	24.5
F543ZNCNOD2525	25	25.0	25.0	18.8	30.0	12.0	28.0
F543ZNCNOD3232	32	32.0	32.0	25.8	36.0	13.0	29.0
F543ZNCNOD4040	40	40.0	40.0	33.8	46.0	15.0	31.5
F543ZNCNOD5050	50	50.0	50.0	41.8	55.0	15.0	33.0

IP RATING WITH RECOMMENDED CONDUIT IP 54

OPERATING TEMPERATURE - 25 TO + 90° C.

FLEXIBLE CONDUIT FITTINGS (BRASS)

PART CODE	F543BRSNOD
DESCRIPTION	CONDUIT FITTINGS FOR BARE, LSF & LSZH FLEXIBLE CONDUIT
MATERIAL	BRASS
FINISH	NICKEL PLATED
PRODUCT FEATURES	NO HAZARDOUS SHARP EDGES OR BURRS SMOOTH INSIDE FOR EASIER WIRE PULLING CONFORMS TO BS EN 61386-23 GENERAL PURPOSE APPLICATION, IP 54 RATING CORROSION, ABRASION, OIL AND WATER RESISTANT



Ordering Code	Conduit Size (BS)	Thread Size	Thread Diameter	Minimum Bore	Across Flats	Thread Length	Nominal Length
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
F543BRSNOD2020	20	20.0	20.0	14.8	24.0	10.0	24.5
F543BRSNOD2525	25	25.0	25.0	18.8	30.0	12.0	28.0
F543BRSNOD3232	32	32.0	32.0	25.8	36.0	13.0	29.0
F543BRSNOD4040	40	40.0	40.0	33.8	46.0	15.0	31.5
F543BRSNOD5050	50	50.0	50.0	41.8	55.0	15.0	33.0

IP RATING WITH RECOMMENDED CONDUIT IP 54

OPERATING TEMPERATURE - 25 TO + 90° C.

FLEXIBLE CONDUIT FITTINGS FEMALE (BRASS)

PART CODE	F543FNOD
DESCRIPTION	FEMALE CONDUIT FITTINGS FOR BARE, LSF & LSZH FLEXIBLE CONDUIT
MATERIAL	BRASS
FINISH	NICKEL PLATED
PRODUCT FEATURES	NO HAZARDOUS SHARP EDGES OR BURRS SMOOTH INSIDE FOR EASIER WIRE PULLING CONFORMS TO BS EN 61386-23 GENERAL PURPOSE APPLICATION, IP 54 RATING CORROSION, ABRASION, OIL AND WATER RESISTANT



Ordering Code	Conduit Size (BS)	Thread Size	Thread Diameter	Minimum Bore	Across Flats	Thread Length	Nominal Length
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
F543FNOD2020	20	20.0	20.0	14.8	24.0	10.0	23.5
F543FNOD2525	25	25.0	25.0	18.8	30.0	12.0	28.0
F543FNOD3232	32	32.0	32.0	25.8	36.0	13.0	28.0
F543FNOD4040	40	40.0	40.0	33.8	46.0	15.0	30.5
F543FNOD5050	50	50.0	50.0	41.8	55.0	15.0	32.0

IP RATING WITH RECOMMENDED CONDUIT IP 54

OPERATING TEMPERATURE - 25 TO + 90° C.

LIQUID TIGHT FLEXIBLE CONDUIT FITTINGS (ZINC)

PART CODE	F542ZNCLTOD
DESCRIPTION	LIQUID TIGHT FLEXIBLE CONDUIT FITTINGS
MATERIAL	ZINC
FINISH	NICKEL PLATED
PRODUCT FEATURES	NO HAZARDOUS SHARP EDGES OR BURRS SMOOTH INSIDE FOR EASIER WIRE PULLING CONFORMS TO BS EN 61386-23 GENERAL PURPOSE APPLICATION, IP 66 RATING OIL & CHEMICAL RESISTANT



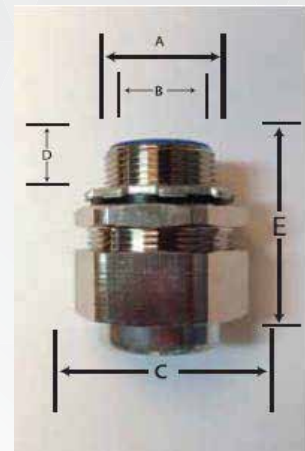
Ordering Code	Conduit Size	Thread Diameter	Minimum Bore	Across Flats	Thread Length
	(mm)	(mm)	(mm)	(mm)	(mm)
F542ZNCLTOD2020	20.0	20.0	13.4	27.6	12.5
F542ZNCLTOD2525	25.0	25.0	18.9	32.3	11.9

IP RATING WITH RECOMMENDED CONNECTOR IP 66

OPERATING TEMPERATURE - 25 TO + 90° C.

LIQUID TIGHT FLEXIBLE CONDUIT FITTINGS (BRASS)

PART CODE	F542NLTOD
DESCRIPTION	LIQUID TIGHT FLEXIBLE CONDUIT FITTINGS
MATERIAL	BRASS
FINISH	NICKEL PLATED
PRODUCT FEATURES	NO HAZARDOUS SHARP EDGES OR BURRS SMOOTH INSIDE FOR EASIER WIRE PULLING CONFORMS TO BS EN 61386-23 GENERAL PURPOSE APPLICATION, IP 66 RATING OIL & CHEMICAL RESISTANT



Ordering Code	Size (BS)	Thread Diameter (A)	Minimum Bore (B)	Across Flats (C)	Thread Length (D)	Nominal Length (E)
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
F542NLTOD2020	20	20.0	14.8	28.6	12.0	38.1
F542NLTOD2525	25	25.0	18.8	34.9	13.5	42.9
F542NLTOD3232	32	32.0	25.8	42.4	17.5	46.0
F542NLTOD3838	40	40.0	32.3	53.0	18.0	55.6
F542NLTOD5050	50	50.0	39.2	59.0	23.0	66.7
F542NLTOD6363	63	63.0	49.2	74.0	28.0	77.8

IP RATING WITH RECOMMENDED CONNECTOR IP 66

OPERATING TEMPERATURE - 25 TO + 90° C.

Terms and Conditions of Trading

1. INTERPRETATION

1.1 (In these conditions)

BUYER:	means the person, firm or the company entering into the Contract to purchase the goods and/or Service from the Seller.
CONDITIONS:	means the standard terms and conditions of sale set out in this document and (unless the context otherwise requires) includes any special terms and conditions agreed in writing between the Buyer and the Seller.
CONTRACT:	means the contract for the purchase and sale of Goods and/or Services.
DELIVERY DATE:	means the earlier of the time of actual delivery of the Goods or, if the Goods are to be collected by the Buyer or the Buyer wrongfully fails to take delivery of the Goods, the date that the Seller notifies the Buyer that the Goods are ready for delivery or, as the case maybe, the Seller tenders delivery of the Goods or, if the Buyer wrongfully fails to allow the performance of the Services, the date that the Seller notifies the Buyer that it is in a position to perform the Services.
GOODS:	means the goods (including any installment of the Goods or any parts for them) which the Seller is to supply in accordance with these Conditions.
SELLER:	means LIBERTY BUILDING SOLUTIONS FZE.
SERVICES:	means the Services which the Seller is to supply in accordance with these Conditions.
TOOLING:	includes patterns, tooling & dies.
WRITING:	Includes telex, cable, facsimile transmission, electronic mail and comparable means of communication.

2. BASIS OF THE CONTRACT

2.1 These Conditions shall govern the Contract to the exclusion of any other terms and conditions.

3. ORDERS AND SPECIFICATION

- 3.1 The Buyer shall be responsible to the Seller for ensuring the accuracy of the terms of any order (including any applicable specification) and for giving the Seller any necessary information relating to the contract within a sufficient time to enable the Seller to perform the Contract. Where the Goods are to be supplied to the Buyer's specification, the Buyer warrants that the Goods are capable of production.
- 3.2 The quantity, quality and description of and any specification for the Goods and/or the description of the Services shall be those set out in the Seller's quotation (if accepted by the Seller).
- 3.3 The Seller reserves the right to make any changes in the specification of the Goods or Services which are required to conform with any applicable safety or other statutory or legal requirements or, where the Goods or Services are to be supplied to the Seller's specification, which do not materially affect their quality or performance.
- 3.4 No Contract may be cancelled by the Buyer except with the agreement in writing of the Seller and on terms that the Buyer shall indemnify the Seller in full against all loss (including loss of profit), costs, damages, charges and expenses.
- 3.5 The Buyer shall indemnify and keep indemnified the Seller against any claim or liability in respect of any infringement of intellectual or industrial property rights resulting from compliance with the Buyer's instructions express or implied.
- 3.6 Drawing, illustration and Specifications prepared by or on behalf of the Seller in connection with the Contract shall remain the property of the Seller and shall not be communicated to third parties without the Seller's prior written consent.
- 3.7 The Seller reserves the right to undertake credit references and may suspend delivery of Goods or performance of the Contract or any other contract with the Buyer, if such references are unsatisfactory.
- 3.8 Each performance or delivery schedule submitted by the Buyer shall constitute an order capable of acceptance by the Seller. If the Seller agrees that any such schedule shall not constitute an order in circumstances where it is reasonably necessary for the Seller to act in reliance upon such schedule so as to enable the Seller to perform the schedule in accordance with its terms if such schedule becomes an order accepted by the Seller, the buyer shall indemnify and keep the Seller indemnified all, costs, damages, charges and expenses arising from such reliance by the seller if such schedules does not become an order capable of acceptance by the Seller.

4. PRICE

- 4.1 The price shall be the Seller's quoted price, or where no price has been quoted or a quoted price is no longer valid, the price listed in the Seller's published price list current at the date of acceptance of the order. Where the Goods are supplied for export, the Seller's export price list shall apply in the absence of a price quoted by the Seller. All prices quoted are valid for 30 days or until earlier acceptance by the Buyer, after which time they may be altered by the Seller without notice.
- 4.2 The Seller reserves the right to increase the price to reflect any increase in the cost to the Seller which is due to any factor beyond the Seller's control, any change in delivery or performance dates, quantities or specifications which is requested by the Buyer, or any delay caused by any instructions of the Buyer to give the Seller adequate information or instructions.
- 4.3 All prices are given by the Seller on an ex-works basis, unless otherwise confirmed in writing by the Seller.
- 4.4 The price is exclusive of any applicable value added tax, which the Buyer shall be additionally liable to pay to the Seller.
- 4.5 The costs of pallets and returnable containers will be charged to the Buyer in addition to the price but full credit will be given to the Buyer provided they are returned undamaged to the Seller within 28 days of the date of delivery.

5. TERMS OF PAYMENT

- 5.1 The Seller shall be entitled to invoice the Buyer for the price on or at any time after the Delivery Date.
- 5.2 The Buyer shall pay the price without any deduction or set-off (save as set out in this condition 5.2) on or before the last day of the month following the Delivery Date and the Seller shall be entitled to recover the price, notwithstanding that delivery may not have taken place and the property in the Goods has not passed to the Buyer and/or the Services have not been performed. The time of payment of the price shall be of the essence of the contract.
- 5.3 If the Buyer fails to make any payment on the due date then, without prejudice to any other right or remedy, the Seller shall be entitled to;
- 5.3.1 suspend all or any further deliveries to the Buyer or suspend the provision of all or any services made under that or any other contract with the Buyer and in such event the Buyer shall not be released from its obligations to the Seller under that or any other contract or cancel the contract or any other contract with the Buyer, and the Seller shall have the right to claim damages from the Buyer for breach of contract;
- 5.3.2 appropriate any payment made by the Buyer to such part of the Contract or the Goods (or the Goods supplied under any other contract between the Buyer and the Seller) as the Seller may think fit (notwithstanding any purported appropriation by the Buyer); and
- 5.3.3 charge the Buyer interest (both before and after judgment) on the amount unpaid, at the rate of 12% per annum accruing daily, until payment in full is made.
- 5.4 The Seller may without notice set off any sums from time to time owed to the Buyer in or towards the satisfaction of all and any liabilities of the Buyer to the Seller whether or not under this Contract.
- 5.5 The Seller shall have a general lien over all goods and property of the buyer (whether worked on or not) in the possession of the Seller for all unpaid debts due from the Buyer and the Seller reserves the right upon the expiration of fourteen days written notice to dispose of such good or property and to apply the proceeds of sale (net of costs of sale) towards the payment of such debts.

6. DELIVERY AND PERFORMANCE

- 6.1 The Buyer shall be responsible for the unloading of Goods and where the Seller or its employees or agents carries out or assist the Buyer in such unloading. The Buyer shall indemnify and keep indemnified the Seller against all liabilities including without limitation all loss, costs, damages, charges and expenses from such unloading.
- 6.2 Any dates quoted for delivery of the Goods or performance of the Service are approximate only and the Seller shall not be liable for any delay howsoever caused. The Goods may be delivered and/or Services may be performed by the Seller in advance of the quoted delivery date upon giving reasonable notice to the buyer.
- 6.3 The Seller reserves the right to under or over-deliver the order quantity of any Goods by up to 10% more or less without any adjustments in the price, and the quantity so delivered shall be deemed to be the quantity ordered.
- 6.4 Where the Goods are to be delivered or Services performed in installments, each delivery or performance shall constitute a separate contract and failure by the Seller to deliver or perform any one or more of the installment in accordance with these Conditions or any claim by the Buyer in respect of any one or more installments shall not entitle the Buyer to treat the Contract as a whole as repudiated.
- 6.5 If the Seller fails to deliver the Goods (or any installment) or perform any Services (or any installment) for any reason other than any cause beyond the Seller's reasonable control or the Buyer's fault, and the Seller is accordingly liable to the Buyer, the Seller's liability shall be limited to the excess, if any, of the reasonable costs to the buyer (in the cheapest available market) of similar goods and/or services to replace those not delivered over the price of the Goods and/or Services.
- 6.6 If the Buyer fails to take delivery of the Goods or to allow performance of the Services or fails to give the Seller adequate delivery or performance instructions at the time stated for delivery or performance (otherwise than by reason of any cause beyond the Buyer's reasonable control or by reason of the Seller's fault) then, without prejudice to any other right or remedy available, the Seller may;
- 6.6.1 store the Goods until actual delivery and charge the Buyer for the reasonable cost of storage, including insurance;
- 6.6.2 after the expiration of 3 months from the Delivery Date to dispose of the Goods in such manner as the Seller may determine and;
- 6.6.3 suspend any further delivery of Goods and/or goods and/or performance of the Services and/or services under the Contract or any other contract.
- 6.7 The Services shall be performed at the Seller's premises.

7. RISK AND PROPERTY

- 7.1 Risk of Damage to or loss of the Goods shall pass to the Buyer on the Delivery Date.
- 7.2 The property in the Goods shall not pass to the Buyer until the Seller has received in cash or cleared funds payment in full of the price of the Goods and all other goods sold or agreed to be sold by the Buyer under any other contract.
- 7.3 Until such time properly in the Goods shall not pass to the Buyer, the Seller shall be entitled at any time to require the Buyer to deliver up the Goods to the Seller and, if the Buyer fails to do so forthwith, to enter upon any premises of the Buyer or any third party where the Goods are stored and repossess the Goods and for the purpose the Buyer hereby authorize and license the Seller, its officers, employees and agents to enter upon any land or building upon which the Goods are situated to recover those goods, and the Buyer shall indemnify the Seller against all cost, damages, charges and expenses in such regard.

8. WARRANTIES AND LIABILITIES

THE BUYER'S ATTENTION IS IN PARTICULAR DRAWN TO THE PROVISIONS OF THIS CLAUSE 8.

- 8.1 The Seller warrants that the Goods will be free from defects in material and workmanship for a period of 3 months from the Delivery Date and that the Services will be performed with reasonable care and skill.
- 8.2 The above warranties are given by the Seller subject to the following conditions:
- 8.2.1 The Seller shall be under no liability in respect of any failure or defect arising from any Tooling, drawing, design, or specification supplied by the Buyer;
- 8.2.2 The Seller shall be under no liability in respect of any defect or failure arising from fair wear and tear, willful damage, negligence, abnormal working condition, failure to follow the Seller's instructions (whether oral or in writing), misuse or alteration or repair of the Goods without the Seller's prior approval;
- 8.2.3 If the total price has not been paid by the due date, the Seller shall be under no liability until the total price has been paid.
- 8.2.4 The above warranties do not extend to parts, materials or equipment not manufactured by the Seller, in respect of which the Buyer shall only be entitled to the benefit or any such warranty or guarantee as it given by the manufacturer to the Seller;
- 8.2.5 The Seller shall under no liability in respect of any failure or defect is within reasonable commercial tolerances.
- 8.3 Subject as expressly provided in these Conditions, all warranties, conditions and other terms implied by statute or law are excluded to the fullest extent permitted by law.
- 8.4 Any claim by the Buyer which is based on any defect in the quality or condition of the Goods, any failure to exercise reasonable care and skill or any under or over-delivery of the Goods shall, whether or not delivery is refused, be notified to the Seller within 3 days from the Delivery Date or, where the defect or failure was not apparent on reasonable inspection, within a reasonable time after delivery of the defect or failure and in any event within 7 days of discovery. If delivery is not refused, and the Buyer does not notify the Seller, the Seller shall have no liability for such defect or failure, and the Buyer shall be bound to pay the price as if the Contract has been performed in accordance with its terms.
- 8.5 Where any valid claim in respect of any of the Goods which is based on any defect in the quality or condition of the Goods or any failure to exercise reasonable care and skill is notified to the Seller in accordance with these Conditions, the Seller shall be entitled to replace the Goods (or part in question) or to re-perform the Services free of charge or, at the Seller's sole discretion, refund to the Buyer the price of the Goods (or a proportionate part of the price) but the Seller shall have no further liability to the Buyer.
- 8.6 The Seller shall not be liable to the Buyer by reason of any representation, or any implied warranty, condition or other term, or any duty of law, or under the express terms of the contract, for any consequential loss or damage (whether for loss of profit, product recall or otherwise) which arise of or in connection with the supply of the Goods and/or the Services or their use or resale by the Buyer and the entire liability of the Seller under or in connection with the Contract shall not exceed the price under the Contract, except as expressly provided in these Conditions.
- 8.7 The Seller shall not be liable to the Buyer or to be deemed to be in breach of the Contract by reason any delay in performing, or any failure to perform, any of the Seller's obligation, if the delay or failure was due to any cause beyond the Seller's reasonable control.

9. INDEMNITY

THE BUYER'S ATTENTION IS IN PARTICULAR DRAWN TO THE PROVISIONS OF THE CLAUSE.

- 9.1 The Buyer shall take or procure the taking of all such steps as may be necessary to ensure the safety of the Seller's employees, agents and contractors or any premises at which the Service is to be provided without limitation, notifying such representatives of any relevant hazards.
- 9.2 The Buyer shall indemnify and keep indemnified the Seller, its officers, employees agents and sub-contractors against any loss or damage to any property or injury or death of any person caused by any negligent act or omission or willful misconduct of the Buyer, its employees agents or sub-contractors, including all and any costs and expenses relating thereto.

10. TOOLING

- 10.1 Any Tooling supplied by the Buyer shall remain the property of the Buyer at the Buyer's risk. The Buyer shall be responsible for the repair and maintenance of such Tooling. The Seller shall not use such Tooling in connection with any contract with a third party without the Buyer's prior consent in Writing.
- 10.2 All tooling used, manufactured or procured in connection with contract and which is not supplied by the Buyer shall be the property of the Seller.
- 10.3 All any intellectual and industrial property rights comprised in any Tooling shall vest in the party owning such Tooling.
- 10.4 The Seller reserves the right to charge the Buyer for the cost of storage of the Buyer's Tooling and to require the Buyer to remove such Tooling from the Seller's premises upon not less than 3 months notice in Writing.

11. INSOLVENCY OF BUYER

- 11.1 This clause applies if;
- 11.1.1 The Buyer makes any voluntary arrangement with its creditors or become subject to an administration or similar order (for being an individual firm) become bankrupt or (being a company) goes into liquidation, otherwise than for the purpose of amalgamation or reconstruction; or
- 11.1.2 An encumbrancer take possession, or a receiver is appointed, of the Buyer's undertaking or any of its property or assets; or
- 11.1.3 The Buyer ceases, or threatens to cease, to carry on business; or
- 11.1.4 The Seller reasonably apprehends that any of the events mentioned above is about to occur in relation to the Buyer and notifies the Buyer accordingly.
- 11.2 If this clause applies then, without prejudice to any other right or remedy available to the Seller, the Seller shall be entitled to cancel the Contract or suspend performance and/or any further deliveries under the Contract without any liability to the Buyer, and if the Goods have been delivered and/or Services performed, but not paid to, the price shall become immediately due and payable.

12. EXPORT TERMS

- 12.1 The Buyer shall be responsible for complying with any legislation and regulation governing the importation of the Goods into the country of destination and for the payment of any duties thereon.
- 12.2 Unless otherwise agreed in Writing between the Buyer and the Seller, the Goods shall be delivered ex-works.
- 12.3 The Buyer shall be responsible for arranging for testing and inspection of the Goods at the Seller's premises before shipment. The Seller shall have no liability for any claim in respect of any defect which would be apparent on inspection and which is made after shipment, or in respect of any damage during transit.
- 12.4 Payment of all amounts due to the Seller shall be made by irrevocable letter of credit opened by the Buyer in favor of the Seller and confirmed by the Seller's Bank in the United Arab of Emirates, or, if the seller has agreed on or before acceptance of the buyer's order to waive the requirement, by acceptance by the Buyer and delivery to the Seller of a bill of exchange drawn on the Buyer payable 30 days after sight of the order of the Seller at such bank as may be specified on the bill of exchange.

13. GENERAL

- 13.1 The Buyer shall not be entitled to assign the whole or any part of the Contract without the prior written consent of the Seller.
- 13.2 No waiver by the Seller of any breach of the Contract by the Buyer shall be considered as a waiver of any subsequent breach of the same or any other provision.
- 13.3 If any provision of these Conditions is held by any competent authority to be invalid or unenforceable in whole or in part the validity of the other provisions of these Conditions and the remainder of the provision in question shall not be affected thereby unless such provisions goes to the root of the Contract.
- 13.4 The conditions shall constitute the entire agreement in relation to the subject matter and no modification or waiver thereof shall be valid unless made in Writing expressly for the purpose and signed by an authorized officer of the Seller and of the Buyer provided that nothing in these conditions shall exclude or limit liability for fraud.
- 13.5 The contract shall be governed by the laws applicable in the Emirates of Dubai and the Buyer agrees to submit the non-exclusive jurisdiction of the Dubai courts.



BARTON Engineering produce and supply the premium quality BARTON brand of UK manufactured hot dipped galvanised steel conduit, all main associated electrical cable management systems and a wide range of accessories and fittings. BARTON provides high performance competitive products and worldwide solutions. The range includes:

- BS 31/4568/50086/61386 conduit and accessories
 - o Black Enamel
 - o Pre galvanised
 - o Hot dipped galvanized
 - o Stainless steel
- BS 4678 steel trunking and fittings
- BS 4662 switch and socket boxes
- BS EN 61386 flexible steel conduit (bare flex, pvc covered, low smoke zero halogen and liquid tight)
- Underfloor boxes, electrical enclosures and other electrical protection systems
- US specification EMT/IMC/RMC conduit and accessories.

BARTON products are installed in the most demanding applications and environments where public safety is paramount. Examples include mass transportation (airport terminals, concourses, airside and off field ancillary buildings, railway, light metro, underground), places of education (schools, colleges, university, training establishments), healthcare (hospitals, clinics, research centers), leisure (shopping malls, hotels, tall and super tall towers), sporting facilities (sports stadiums, Olympic villages, training grounds) and places of worship.

In 2015, Liberty House Group acquired the business and assets, including all worldwide IPR and trademarks of Barton and today Barton Engineering is an operating division of Liberty Precision Tubes, part of Liberty Tubular Solutions.

Liberty House Group is an expanding international business, specialising in trading, manufacture and distribution of steel and advanced engineering products. Operating from four strategically positioned financial hubs in London, Dubai, Singapore and Hong Kong, the Group has sites in Europe, Africa, the Far and Middle East, Australia and North America. Please visit www.libertyhousegroup.com.



Located in Jebel Ali Free Zone, Liberty building Solutions FZE is the exclusive BARTON service agent throughout the Middle and Far East, Africa and Australasia region. A highly focused team operate the central BARTON service centre in UAE providing customers with stock, logistics, technical and commercial support for the entire range. All product information is provided in good faith and is subject to the Terms and Conditions of Trading.

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