LAWTON
MEDICAL

Product Catalogue

Version IV

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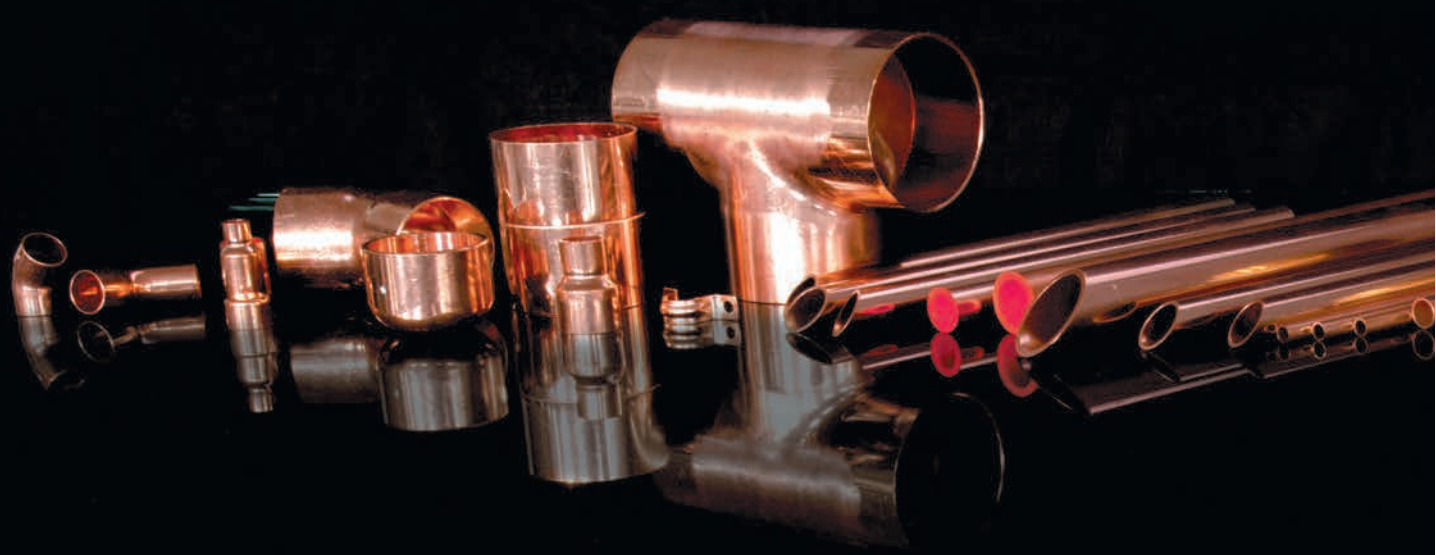
LAWTON

MEDICAL



Introduction

Lawton Tube Company Limited is the UK's leading independent manufacturer and distributor of copper tube. Established as a Limited Company in 1920 and still family owned!

We form an indispensable link between one of the worlds most versatile metals and a wide variety of finished products.

These include tube, coils, degreased medical fittings, refrigeration fittings and tube for plumbing, heating, refrigeration and air conditioning systems, electrical bus bars, medical gas installations, automotive braking circuits (copper brake pipe) and a host of other engineering applications.

Copper has a proven performance and provides a cost effective solution to many pipe work and tube requirements on the basis of its inherent properties.

These include:

- High strength and ductility
- Excellent corrosion resistance
- Compatibility with a wide range of fluids
- High thermal and electrical conductivity
- Excellent fabrication and joining properties

With a range of kitemarked products from stock, supported by quality systems audited to BS EN ISO 9001, we aim to provide you with a first class service at competitive rates.

bsi. ISO 9001:2015 Quality Management

FM 00451

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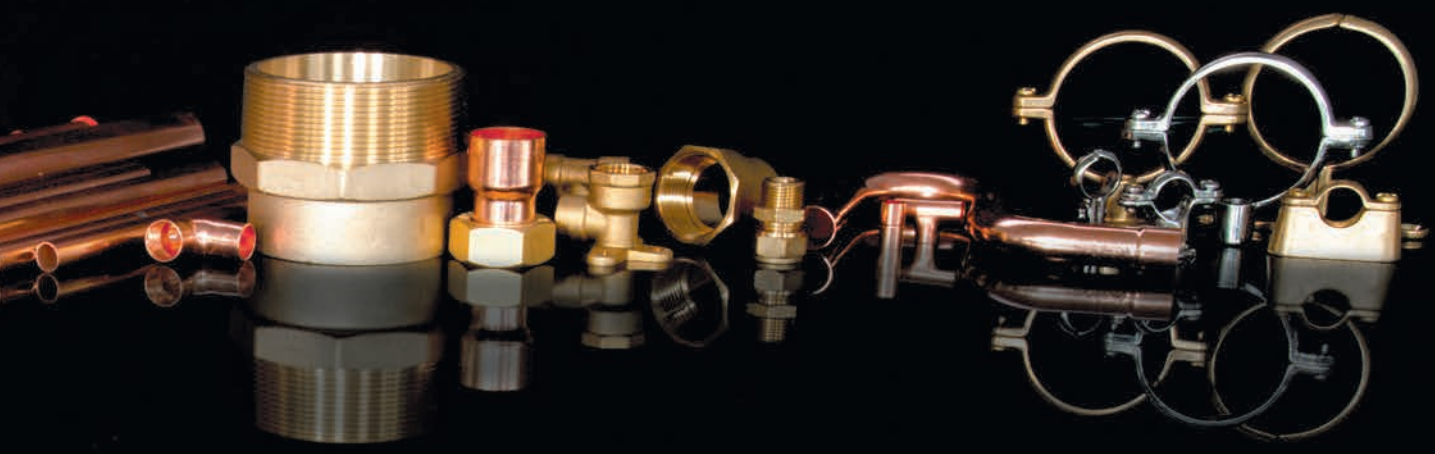

LAWTON
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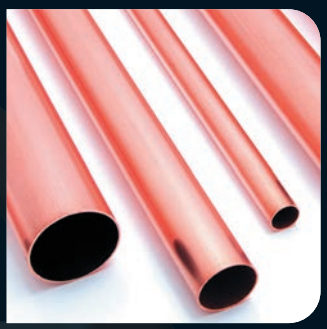
Lawton's medical product range includes:
- Straight lengths
- Fittings
- Medical Accessories

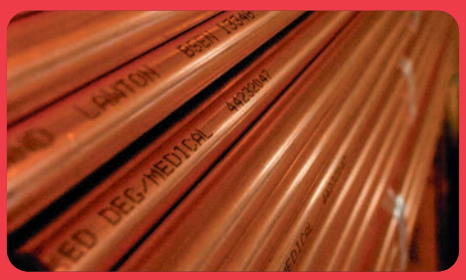


Demand Lawton's Copper for:
- Medical Gas pipelines
- Vacuum Systems
- Other medical gas equipment compliant to HTM02/01

Lawton's Medical products were used in many prestigious projects including:

- Southmead Hospital UK
- Sidra Hospital, Qatar
- King Faisal Hospital, Saudi
- Hamad Medical City, Qatar
- Cleveland Clinic, Dubai
- Square Hospital, Bangledesh
- New South Glasgow Adult Hospital, UK
- Jaber Al Ahmed Al Jaber Al Sabah Hospital, Kuwait

Demand Lawton Tubes for:
- Strength
- Quality
- Reliability


LAITON
DEG/MEDICAL

SIEMENS

Pipeline solutions for medical installations

At Lawton we supply kitemarked degreased copper tubes to BS EN 13348, meaning all Lawton products are regularly audited by the British Standards Institute. Straight length copper tube is available in 3m & 6m lengths. Diameters range from 12mm to 219mm, for large hospital projects. We have stocks of Lawton largest diameter tubes available for immediate despatch.

All Lawton medical tube complies with the latest National Heath Service (NHS) HTM 02-01 spec.

Specific Benefits Include:

- Specifically designed for copper medical gas and vacuum systems. Superseding earlier 'hybridised' copper tube standards such as BS EN1057 & BS 2871 Part 1 Table X quoted in HTM 2022 & NHS engineering spec. C11
- Tighter limits on cleanliness determination.
- Improved identification to avoid confusion with similar sizes of water service tube. (EN1057 spec)
- Lawton Tubes were the first British company to be awarded the kitemark licence to supply to this standard over 10 years ago.

Sizes 12 - 108mm copper tubes are stamped with:

- Tube size
- Kitemark
- EN 13348
- Temper
- Manufacturer

In addition 12mm to 28mm sizes are inkjet marked with additional data to enable traceability i.e. date and batch coded.

- Manufacturer
- Date (quarter)

67mm tubes and above are stamped at either end of the tube.

Medical Grade Degreased Copper Tube – EN13348
Table X

Size	Wall Thickness	Available Lengths	
Diameter	mm	3 metre	6 metre
12mm	0.6	•	•
15mm	0.7	•	•
22mm	0.9	•	•
28mm	0.9	•	•
35mm	1.0	•	•
42mm	1.0	•	•
54mm	1.0	•	•
67mm	1.2	•	•
76mm	1.5	•	•
108mm	1.5	•	•
133mm	1.5	•	•
159mm	2.0	•	•
219mm	3.0		•

Table Y

Size	Wall Thickness	Available Lengths	
Diameter	mm	3 metre	6 metre
10mm	0.8		•
12mm	0.8		•
15mm	1.0	•	•
22mm	1.2	•	•
28mm	1.2	•	•
35mm	1.5	•	•
42mm	1.5	•	•
54mm	2.0		•
66.7mm	2.0		•
76.1mm	2.0		•
108mm	2.5		•

FM00451

Fittings & Accessories

Lawton's end feed fittings, manufactured to BSEN 1254-1; 1998 part 1 are seamless, one piece fittings, which makes them stronger and easier to use.

All fittings are specifically designed for copper medical gas and vacuum systems. We supply individually bagged ex-stock from 12mm up to 219mm.

Munsen rings, used as copper tube supports on ceilings and walls, are available from 12mm to 159mm in single and double M10 threads.
Munsen rings, hospital saddle brackets and male and female back plates can all be supplied in brass and chrome finishes to BS1845:1984 CP4

Silver brazing rods are available in various thicknesses and lengths, silver content can be 2%, 5% or 45% and conforms to ISO 17672:2010.

Specific Benefits Include:

Complies to NHS (UK) Health Technical Memorandum 02/01 (HTM2022) and C11.

All fittings supplied contain less than 100mg/m2 (0.01mg cm2) of hydrocarbons on the degreased surface.

Improved identification to avoid confusion with similar sizes of water service fittings.

All items ex-stock and packaging is suitable for exporting.

End-Feed fittings BS EN 1254-1

LAWTON MED FITTINGS

Fitting Reducer (FTG x C)

Product Code	Size	Bag	Box	Pallet
MEDRED0128	12mm x 8mm	1	900	27000
MEDRED0158	15mm x 8mm	1	800	24000
MEDRED01512	15mm x 12mm	1	600	18000
MEDRED02212	22mm x 12mm	1	500	15000
MEDRED02215	22mm x 15mm	1	400	12000
MEDRED02815	28mm x 15mm	1	300	9000
MEDRED02822	28mm x 22mm	1	300	9000
MEDRED03515	35mm x 15mm	1	200	6000
MEDRED03522	35mm x 22mm	1	200	6000
MEDRED03528	35mm x 28mm	1	150	4500
MEDRED04215	42mm x 15mm	1	150	4500
MEDRED04222	42mm x 22mm	1	125	3750
MEDRED04228	42mm x 28mm	1	125	3750
MEDRED04235	42mm x 35mm	1	100	3000
MEDRED05415	54mm x 15mm	1	100	3000
MEDRED05422	54mm x 22mm	1	100	3000
MEDRED05428	54mm x 28mm	1	100	3000
MEDRED05435	54mm x 35mm	1	80	2400
MEDRED05442	54mm x 42mm	1	80	2400
MEDRED06728	66.7mm x 28mm	1	50	1500
MEDRED06735	66.7mm x 35mm	1	50	1500
MEDRED06742	66.7mm x 42mm	1	50	1500
MEDRED06754	66.7mm x 54mm	1	50	1500
MEDRED07635	76.1mm x 35mm	1	50	1500
MEDRED07642	76.1mm x 42mm	1	40	1200
MEDRED07654	76.1mm x 54mm	1	40	1200
MEDRED07667	76.1mm x 66.7mm	1	25	750
MEDRED10842	108mm x 42mm	1	10	300
MEDRED10854	108mm x 54mm	1	10	300
MEDRED10867	108mm x 66.7mm	1	10	300
MEDRED10876	108mm x 76.1mm	1	10	300
MEDRED13342	133mm x 42mm	1	6	180
MEDRED13367	133mm x 66.7mm	1	10	300
MEDRED13376	133mm x 76.1mm	1	10	300
MEDRED133108	133mm x 108mm	1	10	300
MEDRED15976	159mm x 76.1mm	1	5	150
MEDRED159108	159mm x 108mm	1	5	150
MEDRED159133	159mm x 133mm	1	5	150
MEDRED219159	219mm x 159mm	1	1	30

LAWTON MED FITTINGS

Slip Coupling

Product Code	Size	Bag	Box	Pallet
MEDSC015	15mm	1	300	18000
MEDSC022	22mm	1	200	12000
MEDSC028	28mm	1	120	3600
MEDSC035	35mm	1	70	6000
MEDSC042	42mm	1	50	3600
MEDSC054	54mm	1	30	1500

Reducer Coupling (C x C)

MEDCP0128	12mm x 8mm	1	1000	30000
MEDCP01210	12mm x 10mm	1	1000	30000
MEDCP01510	15mm x 10mm	1	600	18000
MEDCP01512	15mm x 12mm	1	600	18000
MEDCP02215	22mm x 15mm	1	400	12000
MEDCP02815	28mm x 15mm	1	300	9000
MEDCP02822	28mm x 22mm	1	250	7500
MEDCP03515	35mm x 15mm	1	200	6000
MEDCP03522	35mm x 22mm	1	200	6000
MEDCP03528	35mm x 28mm	1	150	4500
MEDCP04215	42mm x 15mm	1	125	3750
MEDCP04222	42mm x 22mm	1	125	3750
MEDCP04228	42mm x 28mm	1	125	3750
MEDCP04235	42mm x 35mm	1	125	3750
MEDCP05422	54mm x 22mm	1	100	1800
MEDCP05415	54mm x 15mm	1	100	1800
MEDCP05428	54mm x 28mm	1	100	1800
MEDCP05435	54mm x 35mm	1	80	1800
MEDCP05442	54mm x 42mm	1	75	2250
MEDCP06754	66.7mm x 54mm	1	40	1200
MEDCP07635	76.1mm x 35mm	1	25	750
MEDCP07667	76.1mm x 66.7mm	1	25	750
MEDCP07642	76.1mm x 42mm	1	25	750
MEDCP07654	76.1mm x 54mm	1	25	750
MEDCP10876	108mm x 76.1mm	1	10	300
MEDCP159133	159mm x 133mm	1	5	150

LAWTON MED FITTINGS

Coupling

Product Code	Size	Bag	Box	Pallet
MEDCP012	12mm	1	1000	30000
MEDCP015	15mm	1	600	18000
MEDCP022	22mm	1	400	12000
MEDCP028	28mm	1	300	9000
MEDCP035	35mm	1	200	6000
MEDCP042	42mm	1	125	3750
MEDCP054	54mm	1	60	1800
MEDCP067	66.7mm	1	40	1200
MEDCP076	76.1mm	1	25	750
MEDCP108	108mm	1	10	300
MEDCP133	133mm	1	5	150
MEDCP159	159mm	1	5	150
MEDCP219	219mm	1	1	30

45 Degree Elbow

MEDEL01545	15mm	1	400	12000
MEDEL02845	28mm	1	200	6000
MEDEL02245	22mm	1	300	9000
MEDEL03545	35mm	1	125	3750
MEDEL04245	42mm	1	100	3000
MEDEL05445	54mm	1	40	1200
MEDEL06745	66.7mm	1	20	600
MEDEL07645	76.1mm	1	20	600
MEDEL10845	108mm	1	5	150
MEDEL13345	133mm	1	3	90
MEDEL15945	159mm	1	2	60
MEDEL21945	219mm	1	1	30

45 Degree Street Elbow

MEDELS01545	15mm	1	400	12000
MEDELS02845	28mm	1	175	5250
MEDELS02245	22mm	1	300	9000
MEDELS03545	35mm	1	125	3750
MEDELS04245	42mm	1	100	3000
MEDELS05445	54mm	1	50	1500
MEDELS06745	66.7mm	1	25	750
MEDELS07645	76.1mm	1	20	600

90 Degree Elbow

MEDEL012	12mm	1	600	18000
MEDEL015	15mm	1	400	12000
MEDEL022	22mm	1	300	9000
MEDEL028	28mm	1	200	6000
MEDEL035	35mm	1	125	3750
MEDEL042	42mm	1	70	2100
MEDEL054	54mm	1	40	1200
MEDEL067	66.7mm	1	20	600
MEDEL076	76.1mm	1	20	600
MEDEL108	108mm	1	5	150
MEDEL133	133mm	1	2	60
MEDEL159	159mm	1	2	60
MEDEL219	219mm	1	1	30
		1		

90 Degree Street Elbow

MEDELS012	12mm	1	500	15000
MEDELS015	15mm	1	400	12000
MEDELS022	22mm	1	300	9000
MEDELS028	28mm	1	150	4500
MEDELS035	35mm	1	125	3750
MEDELS042	42mm	1	80	2400
MEDELS054	54mm	1	40	1200

LAWTON MED FITTINGS

90 Degree Reducing Elbow

Product Code	Size	Bag	Box	Pallet
MEDEL02215	22mm x 15mm	1	400	12000

Long Radius Elbow

MEDELLR067	66.7mm	1	10	300
MEDELLR076	76.1mm	1	5	150
MEDELLR108	108mm	1	3	90

Reducing Tee

MEDTE0151212	15mm x 12mm x 12mm	1	500	15000
MEDTE0151512	15mm x 15mm x 12mm	1	500	15000
MEDTE0151522	15mm x 15mm x 22mm	1	250	7500
MEDTE0221515	22mm x 15mm x 15mm	1	250	7500
MEDTE0221522	22mm x 15mm x 22mm	1	250	7500
MEDTE0222212	22mm x 22mm x 12mm	1	250	7500
MEDTE0222215	22mm x 22mm x 15mm	1	250	7500
MEDTE0281515	28mm x 15mm x 15mm	1	200	6000
MEDTE0282215	28mm x 22mm x 15mm	1	200	6000
MEDTE0282222	28mm x 22mm x 22mm	1	175	5250
MEDTE0282228	28mm x 22mm x 28mm	1	150	4500
MEDTE0282815	28mm x 28mm x 15mm	1	150	4500
MEDTE0282822	28mm x 28mm x 22mm	1	150	4500
MEDTE0351535	35mm x 15mm x 35mm	1	100	3000
MEDTE0352222	35mm x 22mm x 22mm	1	125	3750
MEDTE0352235	35mm x 22mm x 35mm	1	100	3000
MEDTE0352815	35mm x 28mm x 15mm	1	100	3000
MEDTE0352822	35mm x 28mm x 22mm	1	100	3000
MEDTE0352828	35mm x 28mm x 28mm	1	100	3000
MEDTE0352835	35mm x 28mm x 35mm	1	80	2400
MEDTE0353515	35mm x 35mm x 15mm	1	125	3750
MEDTE0353522	35mm x 35mm x 22mm	1	125	3750
MEDTE0353528	35mm x 35mm x 28mm	1	100	3000
MEDTE0421542	42mm x 15mm x 42mm	1	50	1500
MEDTE0422242	42mm x 22mm x 42mm	1	50	1500
MEDTE0422828	42mm x 28mm x 28mm	1	80	2400
MEDTE0422842	42mm x 28mm x 42mm	1	50	1500
MEDTE0423528	42mm x 35mm x 28mm	1	70	2100
MEDTE0423535	42mm x 35mm x 35mm	1	50	1500
MEDTE0423542	42mm x 35mm x 42mm	1	50	1500
MEDTE0424215	42mm x 42mm x 15mm	1	80	2400
MEDTE0424222	42mm x 42mm x 22mm	1	80	2400
MEDTE0424228	42mm x 42mm x 28mm	1	60	1800
MEDTE0424235	42mm x 42mm x 35mm	1	50	1500
MEDTE0544242	54mm x 42mm x 42mm	1	35	1050
MEDTE0544254	54mm x 42mm x 54mm	1	25	750
MEDTE0545415	54mm x 54mm x 15mm	1	50	1500
MEDTE0545422	54mm x 54mm x 22mm	1	40	1200
MEDTE0545428	54mm x 54mm x 28mm	1	40	1200
MEDTE0545435	54mm x 54mm x 35mm	1	40	1200
MEDTE0545442	54mm x 54mm x 42mm	1	40	1200
MEDTE0676728	66.7mm x 66.7mm x 28mm	1	25	750
MEDTE0676735	66.7mm x 66.7mm x 35mm	1	15	450
MEDTE0676742	66.7mm x 66.7mm x 42mm	1	15	450
MEDTE0676754	66.7mm x 66.7mm x 54mm	1	15	450
MEDTE0767628	76.1mm x 76.1mm x 28mm	1	20	600
MEDTE0767635	76.1mm x 76.1mm x 35mm	1	15	450
MEDTE0767642	76.1mm x 76.1mm x 42mm	1	15	450
MEDTE0767654	76.1mm x 76.1mm x 54mm	1	10	300
MEDTE0767667	76.1mm x 76.1mm x 66.7mm	1	10	300
MEDTE10810835	108mm x 108mm x 35mm	1	5	150
MEDTE10810842	108mm x 108mm x 42mm	1	5	150
MEDTE10810854	108mm x 108mm x 54mm	1	5	150

LAWTON MED FITTINGS

Product Code	Size	Bag	Box	Pallet
MEDTE10810867	108mm x 108mm x 66.7mm	1	5	150
MEDTE10810876	108mm x 108mm x 76.1mm	1	5	150
MEDTE13313354	133mm x 133mm x 54mm	1	2	60
MEDTE133133108	133mm x 133mm x 108mm	1	2	60
MEDTE15915954	159mm x 159mm x 54mm	1	1	30
MEDTE15915976	159mm x 159mm x 76.1mm	1	2	60
MEDTE159159108	159mm x 159mm x 108mm	1	2	60
MEDTE159159133	159mm x 159mm x 133mm	1	1	30

Equal Tee

MEDTE012	12mm	1	600	18000
MEDTE015	15mm	1	400	12000
MEDTE022	22mm	1	200	6000
MEDTE028	28mm	1	140	4200
MEDTE035	35mm	1	80	2400
MEDTE042	42mm	1	50	1500
MEDTE054	54mm	1	25	750
MEDTE067	66.7mm	1	15	450
MEDTE076	76.1mm	1	10	300
MEDTE108	108mm	1	4	120
MEDTE133	133mm	1	2	60
MEDTE159	159mm	1	1	30
MEDTE219	219mm	1	1	18

End Cap

MEDEC015	15mm	1	600	18000
MEDEC022	22mm	1	400	12000
MEDEC028	28mm	1	300	9000
MEDEC035	35mm	1	250	7500
MEDEC042	42mm	1	200	6000
MEDEC054	54mm	1	100	3000
MEDEC067	66.7mm	1	50	1500
MEDEC076	76.1mm	1	50	1500
MEDEC108	108mm	1	20	600
MEDEC133	133mm	1	10	300
MEDEC159	159mm	1	10	300

Soldering and Brazing Solutions

Silver Solder (Brazing Rod)

Product Code	Size	%	Type
SOL-ZERO	1.27mm X 3.18mm X 508mm	0	Round
SOL-S2.0AG0.2	2.0mm X 500mm	0.2	Square
SOL-S1.5AG5	1.5mm X 500mm	5	Round
SOL-S1.5AG45	1.5mm X 500mm	45	Round
SOL-S1.5AG40FC	1.5mm X 500mm	40	Flux Coated
SOL-S1.5AG40	1.5mm X 500mm	40	Round
SOL-S1.5AG55	1.5mm X 500mm	55	Round
SOL-S2.0AG2	2.0mm X 500mm	5	Round
SOL-S2.0AG5	2.0mm X 500mm	2	Round
SOL-S2.5AG6	2.5mm X 500mm	6	Round
SOL-S2.5AG5	2.5mm X 500mm	5	Round
SOL-S2.AG15	2.5mm X 500mm	15	Round
SOL-S2.5AG45	2.5mm X 500mm	45	Round
SOL-S2.5AG15(6)	2.5mm X 600mm	15	Round
SOL-S3.0AG2	3.0mm X 500mm	2	Round
SOL-S3.0AG5	3.0mm X 500mm	5	Round

LAWTON ACCESSORIES

Brass Munsen Rings

Single Munsen Ring

Product Code	Size	Thread	Bag	Box
MUN012	12mm	M10	100	1000
MUN015	15mm	M10	100	900
MUN022	22mm	M10	50	700
MUN028	28mm	M10	50	450
MUN035	35mm	M10	50	300
MUN042	42mm	M10	25	250
MUN054	54mm	M10	25	150
MUN067	67mm	M10	10	110
MUN076	76mm	M10	10	80
MUN108	108mm	M10	5	50
MUN133	133mm	M10	5	20
MUN159	159mm	M10	3	15

Double Munsen Ring

MUND015	15mm	M10	100	800
MUND022	22mm	M10	100	600
MUND028	28mm	M10	50	400
MUND035	35mm	M10	25	200
MUND042	42mm	M10	25	150
MUND054	54mm	M10	25	100
MUND067	67mm	M10	10	60
MUND076	76mm	M10	10	50
MUND108	108mm	M10	1	25

Hospital Bracket

MUNS015	15mm	M10	50	400
MUNS022	22mm	M10	50	300
MUNS028	28mm	M10	25	200
MUNS035	35mm	M10	25	150
MUNS042	42mm	M10	25	100
MUNS054	54mm	M10	25	50

Female Backplate

MUNBF010	10mm	M10	100	1500

Male Backplate

MUNBM010	10mm	M10	100	1000

Copper Saddle Bracket

EFSB015	15mm		100	1200
EFSB022	22mm		100	600
EFSB028	28mm		50	500

Medical ID Tape

Product	Description	Product	Description
IDVAC	Medical Vacuum	IDCO2	Carbon Dioxide
IDO2	Oxygen	IDARR	Direction Arrow
IDNOX	Entonox	IDAGS	Agss
IDN2O	Nitrous Oxide	IDA7	Surgical Air 7 Bar
IDN	Nitrogen	IDA4	Medical Air 4 Bar
IDEX	Exhaust		

THE QUEEN'S AWARDS FOR ENTERPRISE: INTERNATIONAL TRADE 2019

LAWTON 100 YEARS SINCE 1918

LAWTON TUBES

The nations copper specialist

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