



Allpex[®]

**Copper and Bronze Endfeed Capillary &
Brazing Tube Fittings to BS 864.2,
BS EN 1254 Parts 1 and 5.**



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Scope & Application:

This catalogue contains the standard range of "ALLPEX" Endfeed type fittings using capillary solder or brazed joints. Allpex copper and bronze Endfeed capillary & brazing tube fittings are designed for use with above ground and under ground water services, central heating systems, oil, gas and other engineering services for use with the copper tube to BS EN 1057.

Standards & Specifications:

All "ALLPEX" Endfeed type fittings are made to the following specifications,

BS EN 1254-1:1998 - Specification for copper and copper alloy fittings with capillary ends for soldering and brazing for use with copper tubes.

BS EN 1254-5:1998 - Specification for copper and copper alloy fittings with short socket ends for capillary brazing to copper tubes.

BS EN ISO 228 (previously BS 2779/ISO 228/1) - Specification for tubes and fittings where pressure tight joints are not made on the threads (metric dimensions).

BS EN 1044:1999 (previously BS 1845:1984) - Specification for filler metals for brazing.

BS EN 1092-3:2003 (BS 4504 Part 3.3) - Specification for copper alloy and composite flanges.

BS EN ISO 9453:2006 (replaces BS EN 29453:1994 & ISO 9453:1990) - Specification for soft solder alloy. Chemical compositions and forms.

BS 7786:2006 (replaces BS 4375:1968 & BS 7786:1995) - Specification for PTFE tape for water and general purposes.

BS EN 751-3:1997 (previously BS 6974:1991) - Specification for PTFE tape for gas applications.

WRAS All Allpex Endfeed Copper Tube Fittings comply with the requirements of the "Water Regulations Advisory Scheme" (United Kingdom).

Other specifications that are also complied with are DIN2865, ISO21016, NF E29-591, and KIWA No.:50 and GIVEG.

Materials and Specification:

Copper Fittings:

Endfeed fittings from 6mm to 219mm are made of Copper grade SF-Cu material No.:2.0090 according to DIN 1787, equivalent to Cu-DHP according to BS EN 1978:1998/BS 6017:1981 and ISO 1337. Material is oxygen-free 99.9% DHP copper which can be readily soldered or brazed.

Bronze Fittings:

Bronze / Gunmetal fittings are available from 8mm to 108mm. They are made of material No.:21096.01 according to DIN 1705 (Rg5) or to BS EN 1982:1999/BS 1400 LG 2 (Cu Pb 5 Sn 5 Zn 5) and ISO 1338. These fittings contain 85% Copper and 5% each of Sn, Zn and Pb and are arc immune from de-zincification, can be soldered or brazed.

Allpex endfeed capillary fittings are manufactured to the following material specifications:

BS EN 1982:1999 (previously BS 1400:1985) - Specification for copper and copper alloys. Ingots and castings.

BS EN 12163:1998 - Specification for copper and copper alloys. Rod for general purposes.

BS EN 12164:1998 (previously BS 2874:1986) - Specification for copper and copper alloys. Rod for free machining purposes. [CZ121 (CW614N), CZ122 (CW617N) and CZ132 (CW602N)]

BS EN 12165:1998 - Specification for copper and copper alloys. Wrought and unwrought forging stock.

BS EN 12168:1998 - Specification for copper and copper alloys. Hollow rod for free machining purposes.

Working Pressure and Temperature Rating:

Maximum temperature and pressures for soldering and brazing as per British Standard, BS: EN 1254-1:1998 is as follows:-

Soldering / Brazing	Typical examples of soldering / brazing alloys		Maximum temperature °C	Maximum pressures for nominal diameters in bar		
				From 6 mm up to & incl. 35 mm	Over 35 mm up to & incl. 54 mm	Over 54 mm up to & incl. 108 mm
Soldering	1	Lead/Tin 50/50% or 60/40%	30	16	16	10
			65	10	10	6
			110	6	6	4
	2	Tin/Silver 95/5%	30	25	25	16 *
			65	25	16	16
			110	16	10	10
Brazing	4	Silver/Copper Cadmium-free, 55% to 40% Ag.	30	25	25	16 *
	5	Silver with cadmium, 30% or 40% Ag	65	25	16	16 *
	6	Copper / Phosphorus 94/6% or Copper/Phosphorus with 2% Silver 92/6/2%	110	16	10	10 *

1) For use in applications outside the scope of this table, the approval of the manufacturer should be obtained. *

2) Intermediate pressure ratings shall be obtained by interpolation.

Note: Soldering alloys with lead and brazing alloys with cadmium are not permitted in installations for water for human consumption.

Product Marking:

All "ALLPEX" fittings are identified with one of the marks shown as: "AL", "ALLPEX",  ,  depending on the manufacturing plant.

Technical Service

Our team of specialist engineers will be pleased to offer any help or advice for installations and applications.



Evaluated By WRAS
The Allpex ranges have been certified
by WRAS and are audited periodically.



International Standards Organisation
International standards are conformed
to where appropriate.



Application and Installation

The following instructions to be followed for jointing Allpex capillary endfeed fittings. The fittings use the principle of capillary attraction to allow solder to fill the gap between fitting and tube to form a completely reliable joint. It is a recommended good practice to check all fittings and tube for defects or damage before the installation. The material should be free of damage, distortion and internal obstruction.

Installation details for jointing Allpex capillary endfeed fittings are as follows:

- Select the correct size of tube and fittings for the job.
- Ensure the ends of the tube are cut square and remove any burr from inside and outside.
- Re-round the ends with a re-rounding tool if using fully annealed tube i.e. EN 1057 - R220

Capillary Soft Soldering:

- Tubes are prepared as noted above.
- All oxidation is removed from contact surfaces of the tube and fittings using Allpex cleaning pads or wire wool.
- Apply flux to contact areas of the joint. Fluxes containing ammonium compounds, amines or its derivatives must not be used. Allpex self-cleaning flux helps ensure surface oxidation is removed and makes the surface "wettable", which encourages the solder to spread evenly. Wipe off excessive flux.
- Heat evenly around the joint, just enough to allow the solder metal to melt when it comes into contact with the copper tube. The flame should be moved away once the joint is heated, overheating can be harmful because it causes deterioration of the flux and prevents it from playing its role. It is the hot tube that should make the solder melt and not the flame. The solder should flow into the joint by capillary action.
- The joint is completed when a ring of solder is formed all around the joint end. Wipe the excess flux and solder away with a wet rag. Soft soldering is carried out at a temperature below 450°C. The filler metals are tin/copper or tin/silver alloys.

Hard Soldering (Brazing):

- Hard soldering is carried out at above 450°C. The filler metal is a copper/phosphorus or copper/silver alloys.
- Apply heat in a uniform manner to the tube and joint area.
- Offer the brazing rod all round the joint melting the filler and allowing it to flow into the joint.
- Avoid overheating and the formation of filler metal globules inside and outside the joint.
- When the joint is complete, either allow cooling in air or if necessary, wipe with a damp cloth (do not immerse in water as it may cause localised annealing).
- The silver brazing filler metal must contain a minimum of 5% silver and maximum 0.05% cadmium (cadmium is not recommended for potable water use). If using copper/phosphorous alloy we recommend minimum 7% phosphorous content. Flux is not necessary for copper-to-copper joints when silver/phosphorus/copper filler metal is used but must be used for brass, bronze/gunmetal fittings & pipes.
- Hard soldering performs localised annealing of the copper tube, which increases the grain-size of the metal and reduces its mechanical properties. Controlled cooling can limit some of the problems as well as using lower temperature brazing alloys (higher silver content 15 to 40%) and avoiding over heating of the joints.

Capillary Endfeed Tube Fittings cleaned to BS EN 13348:2001 for Medical Gas.

Allpex Endfeed copper tube fittings are suitable for medical gas applications and are available cleaned as per the requirements of BS EN 13348:2001. Medical gas copper tube fittings are used in pipeline systems for distributing medical gases which include medical compressed air (oil and moisture free), oxygen, nitrous oxide, oxygen/nitrous oxide mixtures, nitrogen, helium, carbon dioxide, xenon, air for breathing, air for driving surgical tools, anaesthetic gases & vapours, vacuum etc. Vacuum and compressed air are also used in dental surgeries, operating theatres for patient ventilators and powering surgical tools.

Key features are:

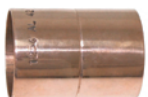
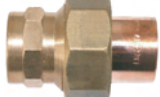
- Each fitting is individually packed and sealed in polythene bags in order to maintain cleanliness.
- All fittings are made from phosphorous de-oxidised non-arsenical copper.
- All bags carry a label showing the specifications, product code and description.

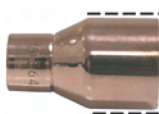
Site installation and jointing:

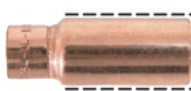
1. Proper care to be taken where medical gas cylinder and terminal connections are gas specific. Incorrect gas connections can create a hazard to the life of a patient.
2. Before installation, all piping, valves, fittings and other components for all non-flammable medical gas systems must be thoroughly cleaned of oil, grease and other readily oxidizable materials as if they were being prepared for oxygen service. Use particular care in storage and handling. Such material must be capped or plugged to prevent recontamination before final assembly, the material must be examined internally for contamination.
3. Materials prepared at the job site shall be cleaned by washing in a hot alkaline cleaner and water solution, such as sodium carbonate or trisodium phosphate. Scrubbing may be necessary to ensure complete cleaning. After washing, the materials must be thoroughly rinsed in clean hot water.
4. Copper to copper joints shall be made using a copper-phosphorus-silver brazing filler metal without flux. All on-site medical gas installation work must be planned to make use of copper-to copper joints using carbon dioxide or oil free nitrogen as an internal shield gas in a fluxless brazing process (using EN 1044 type CP1 alloy, 80% copper, 15% silver, 5% phosphorous). Copper to brass or bronze/gunmetal fittings shall be joined using prefluxed copper-phosphorus or a silver brazing filler metal.
5. Terminal fittings should be brazed up with a copper tail before cleaning, degreasing and bagging to the required standard, where copper is to be brazed to brass, gunmetal or bronze terminal fittings.
6. Where pipelines connect to valves and control equipment compression joints or screwed fittings, the threads should be sealed using degreased PTFE tape.
7. During brazing, the system shall be continuously purged with oil free dry nitrogen to prevent the formation of scale within the tubing. The purge shall be maintained until the joint is cool to the touch.
8. A visual inspection of each brazed joint shall be made to assure that the alloy has flowed completely around the joint at the tube-fitting interface.

Recommended Installation tips:

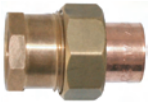
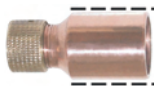
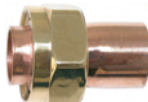
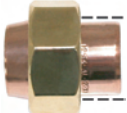
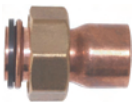
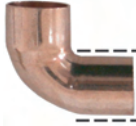
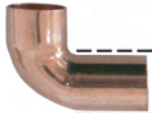
- Select the correct size of tube and fittings for the job.
- Cut the tube with a tube cutter and not hacksaw to prevent cutting swarf.
- Ensure the ends of the tube are cut square and remove any burr from inside and outside.
- De-burr the tube, holding the end downwards to prevent swarf entry.
- Clean tube and fitting with an Allpex cleaning pad, not wire wool.
- Assemble the joints.
- Connect the shield gas, purge and then reduce the shield gas flow.
- Heat the joint quickly & add filler metal. Allow to cool before stopping the shield gas flow.
- Cap ends of tube to prevent the dirt entering into the tube.

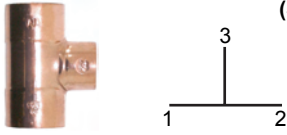
CODE	SIZE	BAG	BOX
EC10 - Straight Coupler C x C (5270)			
			
EC10-6	6	10	1200
EC10-8	8	25	
EC10-10	10	25	
EC10-12	12	10	
EC10-15	15	25	
EC10-18	18	10	
EC10-22	22	25	
EC10-28	28	10	
EC10-35	35	5	
EC10-42	42	5	
EC10-54	54	5	45
EC10-67	66.7	1	
EC10-76	76.1	1	
EC10-108	108	1	
EC10-133	133	1	
EC10-159	159	1	
EC10S - Slip Coupling C x C (5270 S) (without stop)			
			
EC10S-15	15	25	
EC10S-18	18	10	
EC10S-22	22	25	
EC10S-28	28	10	
EC10S-35	35	5	
EC10S-42	42	5	
EC10S-54	54	5	
EC10U - Straight Union C x C (5340) Copper Tail			
			
EC10U-15	15	10	
EC10U-22	22	10	
EC10U-28	28	5	
EC10U-35	35	1	
EC10U-42	42	1	
EC10U-54	54	1	
EC10X - Full Crossover C x C (5085)			
			
EC10X-10	10	10	200
EC10X-12	12	10	
EC10X-15	15	10	
EC10X-18	18	10	
EC10X-22	22	5	90
EC10XF - Part Crossover Ftg x C (5086)			
			
EC10XF-10	10	10	300
EC10XF-12	12	10	
EC10XF-15	15	10	
EC10XF-18	18	10	
EC10XF-22	22	5	90

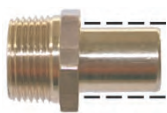
CODE	SIZE	BAG	BOX
EC11 - Reducing Coupler C x C (5240)			
			
EC11-108	10x8	10	600
EC11-128	12x8	10	
EC11-1210	12x10	10	
EC11-158	15x8	10	
EC11-1510	15x10	10	
EC11-1512	15x12	10	
EC11-1810	18x10	10	
EC11-1812	18x12	10	
EC11-1815	18x15	10	
EC11-2215	22x15	25	
EC11-2218	22x18	10	250
EC11-2815	28x15	10	
EC11-2818	28x18	10	
EC11-2822	28x22	10	
EC11-3515	35x15	5	
EC11-3522	35x22	5	
EC11-3528	35x28	5	
EC11-4215	42x15	5	
EC11-4222	42x22	5	
EC11-4228	42x28	5	
EC11-4235	42x35	5	
EC11-5415	54x15	5	50
EC11-5422	54x22	5	50
EC11-5428	54x28	5	50
EC11-5435	54x35	5	50
EC11-5442	54x42	5	50
EC11-6742	66.7x42	1	
EC11-6754	66.7x54	1	
EC11-7635	76.1x35	1	
EC11-7642	76.1x42	1	
EC11-7654	76.1x54	1	
EC11-7667	76.1x66.7	1	
EC11-10854	108x54	1	
EC11-10867	108x66.7	1	
EC11-10876	108x76.1	1	
EC11F - Fitting Reducer Ftg x C (5243)			
			
EC11F-86	8x6	10	600
EC11F-106	10x6	10	
EC11F-108	10x8	10	
EC11F-128	12x8	10	
EC11F-1210	12x10	10	
EC11F-158	15x8	25	
EC11F-1510	15x10	25	
EC11F-1512	15x12	10	
EC11F-1810	18x10	10	
EC11F-1812	18x12	10	
EC11F-1815	18x15	10	300
EC11F-2212	22x12	10	
EC11F-2215	22x15	25	
EC11F-2218	22x18	10	
EC11F-2815	28x15	25	
EC11F-2818	28x18	10	
EC11F-2822	28x22	25	
EC11F-3515	35x15	10	
EC11F-3518	35x18	10	
EC11F-3522	35x22	10	200
EC11F-3528	35x28	10	150

CODE	SIZE	BAG	BOX
EC11F - Fitting Reducer Ftg x C (5243)			
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EC11F-4215	42x15	5	150
EC11F-4218	42x18	5	
EC11F-4222	42x22	5	120
EC11F-4228	42x28	5	120
EC11F-4235	42x35	5	100
EC11F-5415	54x15	5	75
EC11F-5418	54x18	5	
EC11F-5422	54x22	5	75
EC11F-5428	54x28	5	75
EC11F-5435	54x35	5	50
EC11F-5442	54x42	5	50
EC11F-6728	66.7x28	1	
EC11F-6735	66.7x35	1	
EC11F-6742	66.7x42	1	
EC11F-6754	66.7x54	1	
EC11F-7635	76.1x35	1	
EC11F-7642	76.1x42	1	
EC11F-7654	76.1x54	1	
EC11F-7667	76.1x66.7	1	
EC11F-10842	108x42	1	
EC11F-10854	108x54	1	
EC11F-10867	108x66.7	1	
EC11F-10876	108x76.1	1	
EC11F-13367	133x66.7	1	
EC11F-13376	133x76.1	1	
EC11F-133108	133x108	1	
EC11F-15954	159x54	1	
EC11F-15967	159x66.7	1	
EC11F-15976	159x76.1	1	
EC11F-159108	159x108	1	
EC11F-159133	159x133	1	
EC11FL - Long Fitting Reducer Ftg x C (5243 L)			
			
EC11FL-158	15x8	25	
EC11FL-1510	15x10	25	
EC11FL-2215	22x15	10	
EC11MI - Metric x Imperial Coupler C x C (5241)			
			
EC11MI-15D	15x½	25	400
EC11MI-22E	22x¾	25	
EC11MI-28F	28x1	10	200
EC11MI-35G	35x1¼	10	
EC12U - Straight Male Union C x Mi (taper) Cone joint, Copper tail (Boiler Union) (5341 G)			
			
EC12U-15D	15x½	10	10
EC12U-22E	22x¾	10	
EC12U-22F	22x1	10	
EC12U-28F	28x1	5	
EC12U-35G	35x1¼	1	
EC12U-42H	42x1½	1	
EC12U-54I	54x2	1	

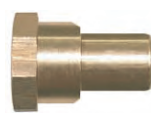
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CODE	SIZE	BAG	BOX	CODE	SIZE	BAG	BOX	CODE	SIZE	BAG	BOX
EC14U - Straight Female Union, C x Fi Cone Joint, Copper tail (5340 G)				EC17A - Copper Airvent Cap, C x Cap Knurled cap air release (5301 D)				EC20L - Long Radius Bend, C x C (5002 A)			
											
EC14U-15D	15x½	10		EC17A-15	15	25		EC20L-10	10	10	
EC14U-22E	22x¾	10		EC17A-22	22	10		EC20L-12	12	10	
EC14U-28F	28x1	5		EC17AF - Copper Airvent Plug, Ftg x Cap Knurled cap air release				EC20L-15	15	25	
EC14U-35G	35x1.¼	1						EC20L-18	18	10	
EC14U-42H	42x1.½	1		EC20 - Elbow, C x C (5090)				EC20L-22	22	25	
EC14U-54I	54x2	1						EC20L-28	28	10	
EC16 - Straight Tap Connector, C x Fi (Swivel) + Washer (5359 G)				EC17AF-15	15	25		EC20L-35	35	5	
				EC20LF - Long Radius Fitting Bend, Ftg x C (5001 A)				EC20L-42	42	5	
EC16-15D	15x½	25	500					EC20L-54	54	5	
EC16-15E	15x¾	25	400	EC20-6	6	10		EC20L-66.7	66.7	1	
EC16-22E	22x¾	25	300	EC20-8	8	25		EC20L-76.1	76.1	1	
EC16C - Cylinder Connector, C x Fi (Swivel) (5340 C)				EC20-10	10	25		EC20L-108	108	1	
				EC20-12	12	10		EC20L-133	133	1	
EC16C-22F	22x1	25	200	EC20-15	15	25	750	EC20L-159	159	1	
EC16C-28F	28x1	10	120	EC20-18	18	10		EC20U - Bent Union, C x C Cone joint, Copper tail (5096)			
EC16CF - Fitting Cylinder Connector, Ftg x Fi, (Swivel) (5340 CF)				EC20-22	22	25	250				
				EC20-28	28	10	150	EC20U-15	15	10	
EC16CF-22F	22x1	25	150	EC20-35	35	5	80	EC20U-22	22	10	
EC16G - Gas Meter Union, C x Fi (Swivel) + Washer To BS 746				EC20-42	42	5	40	EC20U-28	28	5	
				EC20-54	54	5	20	EC21 - Reduced Elbow, C x C (5090 R)			
EC16G-22E	22x¾	10		EC20-67	66.7	1					
EC16G-22F	22x1	10		EC20-76	76.1	1		EC21-1510	15x10	10	
EC16G-28F	28x1	10		EC20-108	108	1		EC21-2215	22x15	10	
EC17 - End Cap (5301)				EC20-133	133	1		EC21-2822	28x22	10	
				EC20-159	159	1		EC22U - Bent Male Union, C x Mi (taper) Cone joint, Copper tail (Boiler Union) (5098 G)			
EC17-6	6	10		EC20F - Fitting (street) Elbow, Ftg x C (5092)							
EC17-8	8	25						EC22U-15D	15x½	10	
EC17-10	10	25		EC20F-10	10	25		EC22U-22E	22x¾	10	
EC17-12	12	10		EC20F-12	12	10	750	EC22U-22F	22x1	10	
EC17-15	15	25	1500	EC20F-15	15	25		EC22U-28F	28x1	5	
EC17-18	18	10		EC20F-18	18	10					
EC17-22	22	25	600	EC20F-22	22	25	250				
EC17-28	28	10	350	EC20F-28	28	10	150				
EC17-35	35	5	200	EC20F-35	35	5	80				
EC17-42	42	5	150	EC20F-42	42	5	40				
EC17-54	54	5	80	EC20F-54	54	5	20				
EC17-67	66.7	1		EC20F-67	66.7	1					
EC17-76	76.1	1		EC20F-76	76.1	1					
EC17-108	108	1		EC20F-108	108	1					
EC17-133	133	1		EC20FLS - Long Shank Fitting Elbow, Ftg (long) x C							
EC17-159	159	1									
				EC20FLS-15	15	10					
				EC20FLS-22	22	10					
				EC20FLS-28	28	5					

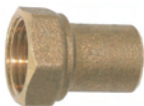
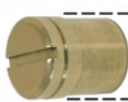
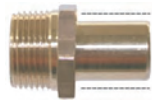
CODE	SIZE	BAG	BOX	CODE	SIZE	BAG	BOX	CODE	SIZE	BAG	BOX
EC24U - Bent Female Union, C x Fi Cone joint, Copper tail (5096 G)				EC30 - Equal Tee, C x C x C (5130)				EC31 - Reducing Tee, C x C x C (5130 R) (Last size branch) continued from previous column.....			
								EC31-181822 18x18x22 10			
EC24U-15D	15x½	10		EC30-6	6	10		EC31-221515	22x15x15	25	250
EC24U-22E	22x¾	10		EC30-8	8	25		EC31-221522	22x15x22	25	200
EC24U-28F	28x1	5		EC30-10	10	25		EC31-222210	22x22x10	10	
EC25 - Obtuse Elbow (45/135 deg), C x C (5041)				EC30-12	12	10		EC31-222215	22x22x15	25	200
				EC30-15	15	25	500	EC31-222218	22x22x18	10	
EC25-10	10	25		EC30-18	18	10		EC31-222228	22x22x28	10	
EC25-12	12	10		EC30-22	22	25	150	EC31-222235	22x22x35	5	
EC25-15	15	25	750	EC30-28	28	10	90	EC31-281515	28x15x15	10	
EC25-18	18	10		EC30-35	35	5	50	EC31-281522	28x15x22	10	
EC25-22	22	25	250	EC30-42	42	5	25	EC31-281528	28x15x28	10	
EC25-28	28	10	150	EC30-54	54	5	15	EC31-282215	28x22x15	10	
EC25-35	35	5	90	EC30-67	66.7	1		EC31-282222	28x22x22	10	
EC25-42	42	5	50	EC30-76	76.1	1		EC31-282228	28x22x28	10	
EC25-54	54	5	25	EC30-108	108	1		EC31-282815	28x28x15	10	
EC25-67	66.7	1		EC30-133	133	1		EC31-282822	28x28x22	10	
EC25-76	76.1	1		EC30-159	159	1		EC31-282835	28x28x35	5	
EC25-108	108	1		EC30H - Heater Tee, Fi on run and long tail 15mm tube				EC31-351535	35x15x35	5	
EC25-133	133	1						EC31-352222	35x22x22	5	
EC25-159	159	1		EC30H-28D2815	28x½x28x15	10		EC31-352235	35x22x35	5	
EC25F - Fitting Obtuse Elbow (45/135°) Ftg x C (5040)				EC30HB - Heater Tee, Fi branch and long tail 15mm tube				EC31-352822	35x28x22	5	
								EC31-352828	35x28x28	5	
EC25F-10	10	25		EC30HB-282815D	28x28x15x½	10		EC31-352835	35x28x35	5	
EC25F-12	12	10		EC31 - Reducing Tee, C x C x C (Last size branch) Further selection of over 300 Reducing Tee's are available. (5130 R)				EC31-353515	35x35x15	5	
EC25F-15	15	25	750					EC31-353522	35x35x22	5	
EC25F-18	18	10						EC31-353528	35x35x28	5	
EC25F-22	22	25	250					EC31-353542	35x35x42	5	
EC25F-28	28	10	150					EC31-422242	42x22x42	1	
EC25F-35	35	5	80					EC31-422828	42x28x28	1	
EC25F-42	42	5	50					EC31-422842	42x28x42	1	
EC25F-54	54	5	20					EC31-423535	42x35x35	1	
EC25F-67	66.7	1						EC31-423542	42x35x42	1	
EC25F-76	76.1	1						EC31-424215	42x42x15	1	
EC25F-108	108	1						EC31-424222	42x42x22	1	
EC26 - Bent Tap Connector, C x Fi (swivel) + washer (5002G)								EC31-424228	42x42x28	1	
								EC31-424235	42x42x35	1	
EC26-15D	15x½	25	400					EC31-424254	42x42x54	1	
EC26-15E	15x¾	10						EC31-543535	54x35x35	1	
EC26-22E	22x¾	10						EC31-543554	54x35x54	1	
EC26C - Bent Cylinder Connector, C x Fi (swivel) (5096 C)								EC31-544242	54x42x42	1	
								EC31-544254	54x42x54	1	
EC26C-22F	22x1	10	100					EC31-545415	54x54x15	1	
EC26C-28F	28x1	10						EC31-545422	54x54x22	1	
								EC31-545428	54x54x28	1	
								EC31-545435	54x54x35	1	
								EC31-545442	54x54x42	1	
								EC31-674267	66.7x42x66.7	1	
								EC31-675467	66.7x54x66.7	1	
								EC31-676728	66.7x66.7x28	1	
								EC31-676735	66.7x66.7x35	1	
								EC31-676742	66.7x66.7x42	1	
								EC31-676754	66.7x66.7x54	1	
								EC31-765476	76.1x54x76.1	1	
								EC31-766776	76.1x66.7x76.1	1	
								EC31-767642	76.1x76.1x42	1	
								EC31-767654	76.1x76.1x54	1	
								EC31-767667	76.1x76.1x66.7	1	
								EC31-10810854	108x108x54	1	
								EC31-10810867	108x108x66.7	1	
								EC31-10810876	108x108x76.1	1	
								EC31-13313367	133x133x66.7	1	
								EC31-13313376	133x133x76.1	1	
								EC31-133133108	133x133x108	1	
								EC31-15915976	159x159x76.1	1	
								EC31-159159108	159x159x108	1	
								EC31-159159133	159x159x133	1	
								continued in next column.....			

CODE	SIZE	BAG	BOX
EG-Gunmetal / Bronze Fittings (Taper male threads)			
EG10U - Straight Union, C x C (4340)			
			
EG10U-15	15	10	
EG10U-22	22	10	
EG10U-28	28	5	
EG10U-35	35	1	
EG10U-42	42	1	
EG10U-54	54	1	
EG12 - Straight Male Coupler, C x Mi (taper) For 1/4" Mi fittings see EB range. (4243 G)			
			
EG12-15C	15x $\frac{3}{8}$	10	
EG12-15D	15x $\frac{1}{2}$	25	
EG12-15E	15x $\frac{3}{4}$	10	
EG12-22E	22x $\frac{3}{4}$	25	
EG12-28F	28x1	10	
EG12-35G	35x1.1/4	1	
EG12-42H	42x1.1/2	1	
EG12-54I	54x2	1	
EG12-67J	66.7x2.1/2	1	
EG12-76K	76.1x3	1	
EG12-108L	108x4	1	
EG12F - Male Fitting/Stem Adaptor, Ftg x Mi For converting copper socket to threaded end. (4280 G)			
			
EG12F-15C	15x $\frac{3}{8}$	10	
EG12F-15D	15x $\frac{1}{2}$	10	
EG12F-22D	22x $\frac{1}{2}$	10	
EG12F-22E	22x $\frac{3}{4}$	10	
EG12F-28F	28x1	10	
EG12U - Straight Male Union, C x Mi (taper) Cone joint, bronze tail (4341 G) (For Copper Tail Boiler Union see EC12U)			
			
EG12U-15D	15x $\frac{1}{2}$	10	
EG12U-22E	22x $\frac{3}{4}$	10	
EG12U-28F	28x1	5	
EG12U-35G	35x1.1/4	1	
EG12U-42H	42x1.1/2	1	
EG12U-54I	54x2	1	
EG12U-67J	66.7x2.1/2	1	
EG14 - Straight Female Coupler, C x Fi (par'II) For 1/4" Fi fittings see EB 14 (4270 G)			
			
EG14-15C	15x $\frac{3}{8}$	10	
EG14-15D	15x $\frac{1}{2}$	25	
EG14-15E	15x $\frac{3}{4}$	10	

continued in next column.....

CODE	SIZE	BAG	BOX
EG14 - Straight Female Coupler, C x Fi (par'II) continued from previous column.....			
EG14-22E	22x $\frac{3}{4}$	25	
EG14-28F	28x1	10	
EG14-35G	35x1.1/4	1	
EG14-42H	42x1.1/2	1	
EG14-54I	54x2	1	
EG14-67J	66.7x2.1/2	1	
EG14-76K	76.1x3	1	
EG14-108L	108x4	1	
EG14F - Female Fitting/Stem Adaptor, Ftg x Fi For converting copper socket to threaded end (4246 G)			
			
EG14F-15C	15x $\frac{3}{8}$	10	
EG14F-15D	15x $\frac{1}{2}$	10	
EG14F-22D	22x $\frac{1}{2}$	10	
EG14F-22E	22x $\frac{3}{4}$	10	
EG14F-28D	28x $\frac{1}{2}$	10	
EG14F-28E	28x $\frac{3}{4}$	10	
EG14F-28F	28x1	10	
EG14F-35D	35x $\frac{1}{2}$	10	
EG14F-35E	35x $\frac{3}{4}$	10	
EG14F-42D	42x $\frac{1}{2}$	10	
EG14F-42E	42x $\frac{3}{4}$	10	
EG14F-42F	42x1	10	
EG14U - Straight Female Union, C x Fi Cone Joint, Bronze Tail (4340 G)			
			
EG14U-15D	15x $\frac{1}{2}$	10	200
EG14U-22E	22x $\frac{3}{4}$	10	150
EG14U-28F	28x1	5	125
EG14U-35G	35x1.1/4	1	50
EG14U-42H	42x1.1/2	1	25
EG14U-54I	54x2	1	10
EG18 - Tank Connector, with flange nut and washer. (4350)			
			
EG18-15	15	10	
EG18-22	22	10	
EG18-28	28	10	
EG18-35	35	5	
EG18-42	42	5	
EG18-54	54	5	
EG18-67	66.7	1	
EG18-76	76.1	1	
EG18-108	108	1	
EG20U - Bent Union, C x C (4096)			
			
EG20U-15	15	10	
EG20U-22	22	10	
EG20U-28	28	1	

CODE	SIZE	BAG	BOX
EG22 - Male Elbow, C x Mi (taper) (4092 G)			
			
EG22-15D	15x $\frac{1}{2}$	25	
EG22-22E	22x $\frac{3}{4}$	10	
EG22-28F	28x1	5	
EG22-35G	35x1.1/4	1	
EG22-42H	42x1.1/2	1	
EG22-54I	54x2	1	
EG22U - Bent Male Union, C x Mi (taper) Cone seat, Bronze tail (4098 G) For Copper Tail Boiler union see EC22U			
			
EG22U-15D	15x $\frac{1}{2}$	10	
EG22U-22E	22x $\frac{3}{4}$	10	
EG22U-22F	22x1	10	
EG22U-28F	28x1	1	
EG24 - Female Elbow, C x Fi (4090 G)			
			
EG24-15D	15x $\frac{1}{2}$	25	
EG24-22E	22x $\frac{3}{4}$	10	
EG24-28F	28x1	5	
EG24U - Bent Female Union, C x Fi Cone seat, Bronze tail (4096 G)			
			
EG24U-15D	15x $\frac{1}{2}$	10	
EG24U-22E	22x $\frac{3}{4}$	10	
EG24U-28F	28x1	5	
EG29 - Wall Plate Elbow, C x Fi (4472 G)			
			
EG29-15D	15x $\frac{1}{2}$	25	
EG29-22E	22x $\frac{3}{4}$	10	
EG34 - Female Tee (Last size Branch) (4130 G) & (4134 G)			
			
EG34-1515D	15x15x $\frac{1}{2}$	10	
EG34-15D15	15x $\frac{1}{2}$ x15	10	
EG34-2222D	22x22x $\frac{1}{2}$	10	
EG34-22D22	22x $\frac{1}{2}$ x22	10	
EG34-2222E	22x22x $\frac{3}{4}$	10	
EG34-22E22	22x $\frac{3}{4}$ x22	10	
EG34-2828D	28x28x $\frac{1}{2}$	1	
EG34-28D28	28x $\frac{1}{2}$ x28	1	
EG34-2828E	28x28x $\frac{3}{4}$	1	
EG34-28E28	28x $\frac{3}{4}$ x28	1	
EG34-2828F	28x28x1	1	

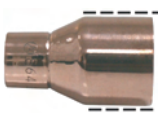
CODE	SIZE	BAG	BOX	CODE	SIZE	BAG	BOX	CODE	SIZE	BAG	BOX
EB - RANGE OF BRASS CAPILLARY FITTINGS. (Special products)				EB14F - Female Stub Adaptor, Ftg x Fi For converting copper socket to threaded end. (3246 G) 				EB29G - Gas W.P. Elbow, C x Fi (taper) 			
EB10M - Brass Manifold 				EB14F-8B 8x¼ 10 EB14F-10B 10x¼ 10 EB14F-10C 10x¾ 10 EB14F-12B 12x¼ 10 EB14F-12C 12x¾ 10 EB14F-15B 15x¼ 10				EB29G-15D 15x½ 10			
EB10M-22102	22x10-2	10		EB14G - Gas Fi Coupler with W.P. C x Fi (taper) 				EB29GS - Side Ent Gas W.P. Elbow, C x Fi (taper) 			
EB10M-22103	22x10-3	10		EB14G-15D 15x½ 10				EB29GS-15D 15x½ 10			
EB10M-22104	22x10-4	10		EB17A - Brass Airvent Cap, C x Cap Knurled cap air release (3301 D) 				TFCXR- Gas Restrictor Tubes (Chrome finish) One end tube OD, other end with taper threaded brass male adaptor, C x Mi 			
EB10M-2282	22x8-2	10		EB17A-15 15 25				TFCXR-8B100 8x¼ 2			
EB10M-2283	22x8-3	10		EB17A-22 22 10				TFCXR-8B125 8x¼ 2			
EB10M-2284	22x8-4	10		EB17AF - Brass Airvent Plug, Ftg x Cap Knurled cap air release 				TFCXR-12B100 12x¼ 2			
EB10P - Manifold Blanking Plug 				EB17P - Probe Access Plug with Air Release, Ftg x Screw (3290 D) (Slotted screw and 1/8" fi probe/gauge access) 				TFCXR-12B125 12x¼ 2			
EB10P-108	10x8	10		EB17P-15 15 25				TFCBR- Gas Restrictor Tubes (Bronze finish) One end tube OD, other end with taper threaded brass male adaptor, C x Mi 			
EB11F2 - 2 in 1 Fitting Reducer, Ftg x C 				EB19 - Thru wall plate coupler, Ftg (tube) x Fi 				TFCBR-8B100 8x¼ 2			
EB11F2-15108	15x10-8	10		EB19-15D350 15x½-350 2 50				TFCBR-8B125 8x¼ 2			
EB12 - Straight Male Coupler, C x Mi (Taper) (3243 G) 				EB19-15D450 15x½-450 2 50				TFCBR-12B100 12x¼ 2			
EB12-8B	8x¼	10		EBP19 - Thru wall plate coupler, Ftg (tube) x Fi, Plastic coated copper tube 				TFCBR-12B125 12x¼ 2			
EB12-10B	10x¼	10		EBP19-15D350 15x½-350 2 50							
EB12-10C	10x¾	10		EBP19-15D450 15x½-450 2 50							
EB12-12B	12x¼	10									
EB12-12C	12x¾	10									
EB12-15B	15x¼	10									
EB12F - Male Stub Adaptor, Ftg x Mi (Taper) (3280 G) For converting copper socket to threaded end. 											
EB12F-8B	8x¼	10									
EB12F-10B	10x¼	10									
EB12F-10C	10x¾	10									
EB12F-12B	12x¼	10									
EB12F-12C	12x¾	10									
EB12F-15B	15x¼	10									
EB14 - Female Coupler, C x Fi (3270 G) 											
EB14-8B	8x¼	10									
EB14-10B	10x¼	10									
EB14-10C	10x¾	10									
EB14-12B	12x¼	10									
EB14-12C	12x¾	10									
EB14-15B	15x¼	10									

Note : We do not recommend use of brass fittings where water dezincification is likely.

Capillary Endfeed Fittings cleaned to BS EN 13348:2001 for Medical Gas Applications. (10 - 54mm)

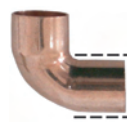
CODE	SIZE	BAG	BOX
ECM10 - Couplers, C x C (5270)			
			
ECM10-10	10	1	
ECM10-12	12	1	
ECM10-15	15	1	
ECM10-22	22	1	
ECM10-28	28	1	
ECM10-35	35	1	
ECM10-42	42	1	
ECM10-54	54	1	

ECM11 - Reducing Couplers, C x C (5240)			
			
ECM11-1210	12x10	1	
ECM11-1510	15x10	1	
ECM11-1512	15x12	1	
ECM11-2215	22x15	1	
ECM11-2815	28x15	1	
ECM11-2822	28x22	1	
ECM11-3515	35x15	1	
ECM11-3522	35x22	1	
ECM11-3528	35x28	1	
ECM11-4215	42x15	1	
ECM11-4222	42x22	1	
ECM11-4228	42x28	1	
ECM11-4235	42x35	1	
ECM11-5415	54x15	1	
ECM11-5422	54x22	1	
ECM11-5428	54x28	1	
ECM11-5435	54x35	1	
ECM11-5442	54x42	1	

ECM11F - Fitting Reducer, Ftg x C (5243)			
			
ECM11F-1210	12x10	1	
ECM11F-1510	15x10	1	
ECM11F-1512	15x12	1	
ECM11F-2212	22x12	1	
ECM11F-2215	22x15	1	
ECM11F-2815	28x15	1	
ECM11F-2822	28x22	1	
ECM11F-3515	35x15	1	
ECM11F-3522	35x22	1	
ECM11F-3528	35x28	1	
ECM11F-4215	42x15	1	
ECM11F-4222	42x22	1	
ECM11F-4228	42x28	1	
ECM11F-4235	42x35	1	
ECM11F-5415	54x15	1	
ECM11F-5422	54x22	1	
ECM11F-5428	54x28	1	
ECM11F-5435	54x35	1	
ECM11F-5442	54x42	1	

CODE	SIZE	BAG	BOX
ECM17 - End Cap (5301)			
			
ECM17-10	10	1	
ECM17-12	12	1	
ECM17-15	15	1	
ECM17-22	22	1	
ECM17-28	28	1	
ECM17-35	35	1	
ECM17-42	42	1	
ECM17-54	54	1	

ECM20 - Elbow 90deg, C x C (5090)			
			
ECM20-10	10	1	
ECM20-12	12	1	
ECM20-15	15	1	
ECM20-22	22	1	
ECM20-28	28	1	
ECM20-35	35	1	
ECM20-42	42	1	
ECM20-54	54	1	

ECM20F - Fitting (street) Elbow, Ftg x C (5092)			
			
ECM20F-10	10	1	
ECM20F-12	12	1	
ECM20F-15	15	1	
ECM20F-22	22	1	
ECM20F-28	28	1	
ECM20F-35	35	1	
ECM20F-42	42	1	
ECM20F-54	54	1	

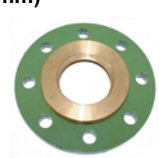
ECM25 - Elbow 45deg, C x C (5041)			
			
ECM25-10	10	1	
ECM25-12	12	1	
ECM25-15	15	1	
ECM25-22	22	1	
ECM25-28	28	1	
ECM25-35	35	1	
ECM25-42	42	1	
ECM25-54	54	1	

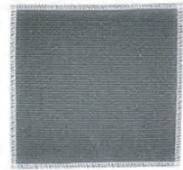
ECM25F - Fitting Obtuse Elbow (45/135), Ftg x C (5040)			
			
ECM25F-10	10	1	
ECM25F-12	12	1	
ECM25F-15	15	1	
ECM25F-22	22	1	
ECM25F-28	28	1	
ECM25F-35	35	1	
ECM25F-42	42	1	
ECM25F-54	54	1	

CODE	SIZE	BAG	BOX
ECM30 - Equal tee, C x C x C (5130)			
			
ECM30-10	10	1	
ECM30-12	12	1	
ECM30-15	15	1	
ECM30-22	22	1	
ECM30-28	28	1	
ECM30-35	35	1	
ECM30-42	42	1	
ECM30-54	54	1	

ECM31 - Reduced tee, C x C x C (5130 R)			
			
ECM31-121010	12x10x10	1	
ECM31-121012	12x10x12	1	
ECM31-121210	12x12x10	1	
ECM31-121215	12x12x15	1	
ECM31-151010	15x10x10	1	
ECM31-151015	15x10x15	1	
ECM31-151212	15x12x12	1	
ECM31-151215	15x12x15	1	
ECM31-151510	15x15x10	1	
ECM31-151512	15x15x12	1	
ECM31-151522	15x15x22	1	
ECM31-221515	22x15x15	1	
ECM31-221522	22x15x22	1	
ECM31-222210	22x22x10	1	
ECM31-222215	22x22x15	1	
ECM31-222235	22x22x35	1	
ECM31-281515	28x15x15	1	
ECM31-281522	28x15x22	1	
ECM31-281528	28x15x28	1	
ECM31-282215	28x22x15	1	
ECM31-282222	28x22x22	1	
ECM31-282228	28x22x28	1	
ECM31-282815	28x28x15	1	
ECM31-282822	28x28x22	1	
ECM31-282835	28x28x35	1	
ECM31-351535	35x15x35	1	
ECM31-352222	35x22x22	1	
ECM31-352235	35x22x35	1	
ECM31-352822	35x28x22	1	
ECM31-352828	35x28x28	1	
ECM31-352835	35x28x35	1	
ECM31-353515	35x35x15	1	
ECM31-353522	35x35x22	1	
ECM31-353528	35x35x28	1	
ECM31-353542	35x35x42	1	
ECM31-422242	42x22x42	1	
ECM31-422828	42x28x28	1	
ECM31-422842	42x28x42	1	
ECM31-423535	42x35x35	1	
ECM31-423542	42x35x42	1	
ECM31-424215	42x42x15	1	
ECM31-424222	42x42x22	1	
ECM31-424228	42x42x28	1	
ECM31-424235	42x42x35	1	
ECM31-424254	42x42x54	1	
ECM31-543535	54x35x35	1	
ECM31-543554	54x35x54	1	
ECM31-544242	54x42x42	1	
ECM31-544254	54x42x54	1	
ECM31-545415	54x54x15	1	
ECM31-545422	54x54x22	1	
ECM31-545428	54x54x28	1	
ECM31-545435	54x54x35	1	
ECM31-545442	54x54x42	1	

Note: Other fittings from our normal range (6 mm - 108 mm) are available on "made to order" basis. Please check with our sales office.

CODE	SIZE	BAG	BOX	CODE	SIZE	BAG	BOX	CODE	SIZE	BAG	BOX
ECB10 - Couplers, C x C				ECB20 - Elbow/Bend 90deg, C x C				EGB12 - Straight Male Coupler, C x Mi (taper)			
											
ECB10-54	54	1		ECB20-54	54	1		EGB12-67J	66.7x2.½	1	
ECB10-67	66.7	1		ECB20-67	66.7	1		EGB12-70J	70x2.½	1	
ECB10-70	70	1		ECB20-70	70	1		EGB12-76K	76.1x3	1	
ECB10-76.1	76.1	1		ECB20-76	76.1	1		EGB12-89K	89x 3	1	
ECB10-89	89	1		ECB20-89	89	1		EGB12-108L	108x4	1	
ECB10-108	108	1		ECB20-108	108	1		EGB14 - Straight Female Coupler, C x Fi (par'II)			
ECB10-133	133	1		ECB20-133	133	1					
ECB10-159	159	1		ECB20-159	159	1		EGB14-67J	66.7x2.½	1	
ECB10-219	219	1		ECB25 - Elbow 45deg, C x C				EGB14-76K	76.1x3	1	
ECB11 - Reducing Coupler, C x C								EGB14-108L	108x4	1	
				ECB25-54				Copper Alloy & Bi-Metallic Flanges made to BS EN 1092-3:2003, BS 4504 Part 2 & 3.3 for use with Copper Tubes to BS EN 1057. (15 mm to 219 mm)			
ECB11-6754	66.7x54	1		ECB25-67	66.7	1					
ECB11-7054	70x54	1		ECB25-70	70	1		Note : Refer to our flange catalogue for more details.			
ECB11-7067	70x66.7	1		ECB25-76	76.1	1		EGB17 - Endcap (Bronze)			
ECB11-7654	76.1x54	1		ECB25-89	89	1					
ECB11-7667	76.1x66.7	1		ECB25-108	108	1		EGB17-76	76.1	1	
ECB11-7670	76.1x70	1		ECB25-133	133	1		EGB17-89	89	1	
ECB11-10854	108x54	1		ECB25-159	159	1		EGB17-108	108	1	
ECB11-10867	108x66.7	1		ECB30 - Equal Tee, C x C x C				EGB17-133	133	1	
ECB11-10870	108x70	1						EGB17-159	159	1	
ECB11-10876	108x76.1	1		ECB30-54				EGB17-219	219	1	
ECB11-10889	108x89	1		ECB30-67	66.7	1					
ECB11F - Fitting Reducer, Ftg x C				ECB30-70	70	1					
				ECB30-76	76.1	1					
ECB11F-6735	66.7x35	1		ECB30-89	89	1					
ECB11F-6742	66.7x42	1		ECB30-108	108	1					
ECB11F-6754	66.7x54	1		ECB30-133	133	1					
ECB11F-7054	70x54	1		ECB30-159	159	1					
ECB11F-7067	70x66.7	1		ECB30-219	219	1					
ECB11F-7654	76.1x54	1		ECB31 - Reduced Tee, C x C x C							
ECB11F-7667	76.1x66.7	1									
ECB11F-7670	76.1x70	1		ECB31-676728				66.7x66.7x28	1		
ECB11F-8954	89x54	1		ECB31-676735	66.7x66.7x35	1		ECB31-676735	66.7x66.7x35	1	
ECB11F-8967	89x66.7	1		ECB31-676742	66.7x66.7x42	1		ECB31-676742	66.7x66.7x42	1	
ECB11F-8970	89x70	1		ECB31-676754	66.7x66.7x54	1		ECB31-676754	66.7x66.7x54	1	
ECB11F-8976	89x76.1	1		ECB31-767642	76.1x76.1x42	1		ECB31-767642	76.1x76.1x42	1	
ECB11F-10854	108x54	1		ECB31-767654	76.1x76.1x54	1		ECB31-767654	76.1x76.1x54	1	
ECB11F-10867	108x66.7	1		ECB31-767667	76.1x76.1x66.7	1		ECB31-767667	76.1x76.1x66.7	1	
ECB11F-10870	108x70	1		ECB31-10810867	108x108x66.7	1		ECB31-10810867	108x108x66.7	1	
ECB11F-10876	108x76.1	1		ECB31-10810876	108x108x76.1	1		ECB31-10810876	108x108x76.1	1	
ECB11F-10889	108x89	1		ECB31-13313367	133x133x67.7	1		ECB31-13313367	133x133x67.7	1	
ECB17 - Endcap (Copper)				ECB31-13313376	133x133x76.1	1		ECB31-13313376	133x133x76.1	1	
				ECB31-133133108	133x133x108	1		ECB31-133133108	133x133x108	1	
ECB17-54	54	1		ECB31-15915976	159x159x76.1	1		ECB31-15915976	159x159x76.1	1	
ECB17-67	66.7	1		ECB31-159159108	159x159x108	1		ECB31-159159108	159x159x108	1	
ECB17-70	70	1		ECB31-159159133	159x159x133	1		ECB31-159159133	159x159x133	1	
ECB17-76	76.1	1									
ECB17-89	89	1									
ECB17-108	108	1									
ECB17-133	133	1									
ECB17-159	159	1									
ECB17-219	219	1									
Note : Fittings of 219 mm sizes are manufactured to order only.											

CODE	SIZE	BAG	BOX	CODE	SIZE	BAG	BOX	CODE	SIZE	BAG	BOX
Soldering Flux				High Phosphorous copper and silver alloy brazing rods. (450 gms pack)							
TA62Y-350 Yellow label, Self clean cream Flux - 350 gms TA62Y-15000 Self cleaning flux cream base 15 kgs Bucket											
				TA61C-15, Self fluxing brazing alloy 1.5mm dia TA61C-30, Self fluxing brazing alloy 3.0mm dia TA61C2AG-15, Self fluxing brazing alloy 2% AG 1.5mm dia TA61C2AG-30, Self fluxing brazing alloy 2% AG 3.0mm dia TA61C5AG-15, Self fluxing brazing alloy 5% AG 1.5mm dia TA61C5AG-30, Self fluxing brazing alloy 5% AG 3.0mm dia							
Self-cleaning water-soluble flux for soldering capillary joints on copper pipework. A cream colour medium active flux. Self cleaning for normal work.											
TA62R-350 Red label, Grease based flux - 350 gms				TA10-P, Soldermat Professional Grade, 10x10" (10 per bag)							
											
Traditional general purpose grease based yellow / brown colour soldering flux for use with copper, brass, mild steel / other metals. Not for use on Aluminum or Stainless Steel				Solder Mat is a flame protection fabric made from high silica yarn and is free of asbestos. It has a special coating to dissipate heat and increase the life of the mat. It is an ideal shield in low temperature soldering (such as plumbing, electrical & electronic applications). It is available in Professional and DIY grades. It can be used for applications up to 700 deg C. It also helps conserve heat and Conforms to BS 476 pt 4 & 7							
TA11-DT, Deburring Tool (Internal & external 12-42mm) (10 per bag)											
											
TA63FW-D, Tap Connector Fibre Washer 1/2" TA63FW-E, Tap Connector Fibre Washer 3/4" (25 per bag)				TA11-VF, Copper Cleaning Pad (10 per bag)							
											
Solder Wire for Copper Capillary Joints											
TA61LF-Solder Wire 500 gms Lead Free (box of 20)				Polyamide fiber coated with very fine grade abrasive ideal for cleaning oxidized copper tube and fitting surfaces. The uniqueness of this microfine cleaning process is that the surface oxidants are removed without scratching the surface as in case of wire wool. This finely cleaned surface allows for better quality capillary flow in soldering of the two surfaces.							
											
Lead Free Solder Wire is used for joining copper capillary joints for tube. It is an alloy of 2% copper and 98% tin. This is a high quality solder, which can be used in all type of potable and non-potable water, steam, gas applications.											
TA61L-Solder Wire 500 gms Lead (box of 20)				TA64TS - PTFE Tape to BS 7786, BS EN 751-3							
											
Lead solder wire is a combination of lead and tin alloy. 35% Tin and 65% Lead, used for joining copper capillary joints for tubes carrying non-potable water, gas etc. Not recommended for Potable water use.											



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