



Allpex Ltd.

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Integral Solder Ring Fittings:

This catalogue contains the standard range of "ALLPEX" Solder Ring (integral solder ring) type fittings using lead free Capillary solder suitable for use with copper tube sizes from 8 to 67 mm O.D.

This range of integral solder ring capillary fittings manufactured from copper or copper alloys is used for jointing copper tube in hot and cold water services, heating systems, for domestic & commercial applications and industrial applications such as gas, air distribution systems. Each fitting contains a precise amount of lead free solder for forming a perfect joint.

An Allpex integral solder ring fitting is precision-made and uses the principle of capillary attraction to allow molten solder to fill the gap between the fitting socket and the tube forming a sealed joint when cooled.

A ring of high quality, lead-free solder is positioned in each capillary socket. The solder is released when heat is applied to the fitting over the contact-surface between socket & tube due to capillary action forming a reliable joint, without the need for additional solder. Allpex integral solder ring fittings are light and neat, easy to handle and install. In addition, the fitting's smooth lines minimises flow restrictions and are unobtrusive on exposed pipelines or to insulation sleeves or pipe fittings.

Product Marking:

All "ALLPEX" fittings are identified with one of the following marks: *

"AL" "ALLPEX", A, A, "A" depending on the manufacturing plant.

Specifications and Standards:

All "ALLPEX" Solder Ring type fittings are made to following specifications.

BS 864: Part 2 Specification for capillary and compression fittings of copper and copper alloy for copper tubes.

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

BS EN 29453 Specification for soft solders. (previously BS 219)

BS 1010 Part 2 Draw off taps, above ground stopvalves and union ends.

BS 4504: section 2 & 3.3 Specification for copper alloy and composite flanges.

BS 21 and ISO 7 Specification for threads.

Other specifications that are also complied with are DIN 2865, ISO 21016, NF E29-591, KIWA No.: 50 and GIVEG.

<u>Raw Materials:</u> Allpex integral solder ring fittings are manufactured from copper, gunmetal or DZR copper alloy.

Copper Fittings: Allpex Solder Ring fittings from 8mm to 67mm are made of Copper grade SF-Cu material No.: 2.0090 according to DIN 1787, equivalent to Cu-DHP / C106 according to BS 6017 and ISO 1337. Material is oxygen-free 99.9% DHP copper, which can be readily soldered or brazed.

Bronze Gunmetal Fittings:

Bronze / Gunmetal fittings are available from 8mm to 67mm. They are made of G-Cu Sn 5 Zn 5 Pb 5 (=Rg5) material No.: 21096.01 according to DIN 1705, equivalent to Cu Pb 5 and Sn 5, Zn 5 according to BS 1400 LG and ISO 1338. These fittings contain 85% Copper and 5% each of Sn, Zn and Pb and are are immune from de-zincification, and can be soldered or brazed.

Corrosion-Resistant inner surfaces:

Capillary solder fittings made to BS 864 / EN 1254 must fulfill the following requirements with regard to residual grease or carbon on inner surface: -

When applying the HNO3 test, no black residues may remain on the surface. Single black particles are permitted provided they do not form a film. The amount of residual grease (measured as carbon) must not exceed 1.0mg/dm2.

Copper Capillary Solder Fittings in sizes upto 54mm are subjected to even more stringent quality and test requirement in that we will accept not more than 0.68mg/dm2 of grease on the inner surface of the fittings.

Dimensions:

Capillary solder fittings have diameters with very strictly controlled tolerances as specified in BS 864.2 & BS EN 1254.1 enabling fittings to be connected to each other or to pipe to BS 2871.1 / BS EN 1057 and comply with the dimensions and tolerances as set out in these standards.

Technical Service & Advice:

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

Installation Guidelines:

The relevant industry guidelines must be followed when these solder or threaded fittings are being used for gas or water applications as published by the relevant authorities.

It is a recommended good practice to check all fittings for defects or damage before the installation.

Installation details for jointing Allpex integral solder ring 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 or outside. Re-round the ends with a re-rounding tool if using fully annealed tube i.e. EN 1057 - R220

-The reliability of soldered joints is greatly influenced by the type of flux that is used. The tube and fitting should always be cleaned before fluxing.

-If one or more ends of an Allpex fitting are to remain unmade a short length of correctly sized, uncleaned tube should be inserted into the ends to be left unjointed. Keep this section cool by wrapping a wet rag around it while heating the remaining ends.

-<u>Remaking joints</u>: Joints made with Allpex fittings are difficult to disconnect due to the intermetallic bonding between the solder and the copper of the fitting and However, in some situations, joints can be remade by fluxing the tinned portion of the tube and reinserting this into the fitting. Then heat the joint and hand-feed lead-free solder. If a new tube is to be used, clean and flux the tube before assembly.

-When installing fittings with parallel threads, a good quality jointing tape or washer should be used as appropriate.

Assembly Steps:

1) Clean the inside of the fitting socket and the outside of the tube with fine sandpaper, or steel wool or Allpex cleaning pad

2) Using a suitable brush, apply adequate but not excessive Allpex soldering flux to both the outside surface of the tube and the inside surface of the fitting socket.

3) Insert the tube into the fitting until it reaches the tube stop, then wipe off any excess flux. Heat the assembled joint until a complete ring of solder appears at the mouth of the fitting.

4) Allow the joint to cool without disturbance. Clean the joint generally.

* Copyright held on Brand and Design. ** Any technical advice is part of our expertise, appreciation of industry practices and our experience; hence we cannot give any warranty for such Technical advice.

Declaration of non-obligation: We must declare that all illustrations, drawings, measurements and recommendations contained in this catalogue are without obligation and that we reserve the right to effect changes and modifications at any time and without prior notice. Errors and Omissions excused.

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Allpex Integral Solder Ring Fittings.(with lead free solder)

| CODE | 0175 | DAG | DOV | | | | | |
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| CODE SIZE BAG BOX | | | | | | | | |
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| | | | | | | | | |
| SC10-8 | 8 | 10 | 1000 | | | | | |
| SC10-10 | 10 | 10 | 1000 | | | | | |
| SC10-12 SC10-15 | 12 | 10 25 | 700 | | | | | |
| SC10-15 | 22 | 25 25 | 250 | | | | | |
| SC10-28 | 28 | 10 | 150 | | | | | |
| SC10-35 | 35 | 5 | 90 | | | | | |
| SC10-42 | 42 | 5 | 50 | | | | | |
| SC10-54 | 54 | 1 | 30 | | | | | |
| SC10-67 | 67 | 1 | 30 | | | | | |
| SC10S- Slip Coupling, CxC | | | | | | | | |
| (without stop | | - | | | | | | |
| | | | | | | | | |
| | | -0- | | | | | | |
| SC108 15 | 15 | 10 | 700 | | | | | |
| SC105-15 | 10 22 | 10 | 250 | | | | | |
| SC105-22 | 22 | 5 | 200 | | | | | |
| SC10X- Full (| Crossover. | CxC | 200 | | | | | |
| | , | | | | | | | |
| | 100 | | | | | | | |
| 1 | | | | | | | | |
| | . – | | | | | | | |
| SC10X-15 | 15 | 10 | 120 | | | | | |
| SC10X-22 | 22 t Crossove | TU r Etax | 60 C | | | | | |
| SCIUAR- Part Crossover, FtgxC | | | | | | | | |
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| | | | | | | | | |
| SC10XF-15 | 15 | 10 | 120 | | | | | |
| SC10XF-15 SC10XF-22 | 15 22 | 10 10 10 | 120 60 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Met r | 15 22 ric x IMP C | 10 10 oupler , | 120 60 CxC | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr | 15 22 ric x IMP C | 10 10 00001er, | 120 60 CxC | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Met r | 15 22 ric x IMP C | 10 10 00000000000000000000000000000000 | 120 60 CxC | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Met r | 15 22 ric x IMP C | 10 10 00000000000000000000000000000000 | 120 60 CxC | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr | 15 22 ric x IMP C 15x1/2 | 10 10 oupler, 10 | 120 60 CxC 500 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E | 15 22 ric x IMP C | 10 10 0 oupler, 10 10 | 120 60 CxC 500 200 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-22F SC11MI-22F | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 25x1// | 10 10 oupler, 10 10 10 | 120 60 CxC 500 200 150 00 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-28F SC11MI-35G SC11 Reduc | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x1 ¹ /4 | 10 10 oupler, 10 10 10 5 5 | 120 60 CxC 500 200 150 90 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-28F SC11MI-35G SC11, Reduc | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x1 ¹ /4 ing Couple | 10 10 0 oupler, 10 10 10 10 5 er, CxC | 120 60 CxC 500 200 150 90 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-28F SC11MI-35G SC11, Reduc | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x1/4 ing Couple | 10 10 oupler, 10 10 10 5 5 er, CxC | 120 60 CxC 500 200 150 90 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-28F SC11MI-35G SC11, Reduc | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x1 ¹ /4 ing Couple | 10 10 oupler, 10 10 10 5 er, CxC | 120 60 CxC 500 200 150 90 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-28F SC11MI-35G SC11, Reduc | 15 22 ric x IMP C 15x1/2 22x¾ 28x1 35x1¼ ing Couple | 10 10 0upler, 10 10 10 5 5 er, CxC | 120 60 CxC 500 200 150 90 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-28F SC11MI-35G SC11, Reduc | 15 22 ric x IMP C 15x1/2 22x¾ 28x1 35x1¼ ing Couple | 10 10 0 upler, 10 10 10 5 5 er, CxC | 120 60 CxC 500 200 150 90 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-22E SC11MI-22E SC11MI-28F SC11MI-35G SC11, Reduc SC11, Reduc | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x1 ¹ /4 ing Couple 15x8 15x10 | 10 10 0 upler, 10 10 10 5 5 er, CxC | 120 60 CxC 500 200 150 90 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-28F SC11MI-35G SC11, Reduc SC11, Reduc SC11-158 SC11-1510 SC11-1512 SC14-254 | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x1 ¹ /4 ing Couple 15x8 15x10 15x12 2245 | 10 10 0 upler, 10 10 10 5 5 6 7, CxC 10 10 10 10 10 | 120 60 CxC 200 150 90 150 90 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-28F SC11MI-35G SC11, Reduc SC11, Reduc SC11-158 SC11-1510 SC11-1512 SC11-2215 SC11-2215 | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x1 ¹ /4 ing Couple 15x8 15x10 15x12 22x15 29:45 | 10 10 0 upler, 10 10 10 5 er, CxC 10 10 10 10 10 25 10 | 120 60 CxC 500 200 150 90 150 90 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-22E SC11MI-35G SC11, Reduc SC11, Reduc SC11-158 SC11-1510 SC11-1512 SC11-2215 SC11-2815 SC11-2822 | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x11/4 ing Couple 15x8 15x10 15x12 22x15 28x15 28x22 | 10 10 0 upler, 10 10 10 5 er, CxC 10 10 10 10 10 10 10 10 10 | 120 60 CxC 500 200 150 90 150 90 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-28F SC11MI-35G SC11, Reduc SC11-158 SC11-1510 SC11-1510 SC11-1512 SC11-2215 SC11-2215 SC11-2815 SC11-2822 SC11-3515 | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x1 ¹ /4 ing Couple 15x8 15x10 15x12 22x15 28x15 28x22 35x15 | 10 10 0 oupler, 10 10 10 10 5 er, CxC 10 10 10 25 10 10 25 10 10 5 | 120 60 CxC 500 200 150 90 150 1000 750 300 200 150 120 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-22E SC11MI-35G SC11, Reduc SC11-1512 SC11-1512 SC11-2215 SC11-2815 SC11-2815 SC11-2822 SC11-3515 SC11-3522 | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x11/4 ring Couple 15x8 15x10 15x12 22x15 28x15 28x22 35x15 28x22 35x15 35x22 | 10 10 0 upler, 10 10 10 5 er, CxC 10 10 10 10 25 10 10 5 5 | 120 60 CxC 500 200 150 90 150 90 1000 750 300 200 150 120 120 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-15D SC11MI-22E SC11MI-22E SC11MI-28F SC11MI-35G SC11, Reduc SC11, Reduc SC11-1510 SC11-1512 SC11-2815 SC11-2815 SC11-2815 SC11-2815 SC11-2822 SC11-3528 | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x1 ¹ /4 ing Couple 15x8 15x10 15x12 22x15 28x15 28x22 35x15 28x22 35x28 | 10 10 0 upler, 10 10 10 5 5 7, CxC 10 10 10 10 25 10 10 5 5 5 5 | 120 60 CxC 500 200 150 90 150 90 1000 750 300 200 150 120 120 120 120 100 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-22E SC11MI-22E SC11MI-22E SC11MI-35G SC11, Reduc SC11, Reduc SC11-1510 SC11-1512 SC11-2215 SC11-2215 SC11-2215 SC11-2815 SC11-2822 SC11-3528 SC11-3528 SC11-4222 | 15 22 ric x IMP C 15x1/2 22x ³ /4 28x1 35x1 ¹ /4 ing Couple 15x8 15x10 15x12 22x15 28x15 28x22 35x15 35x22 35x28 42x22 | 10 10 0 oupler, 10 10 10 5 5 r, CxC 10 10 10 25 10 10 5 5 5 5 5 | 120 60 CxC 500 200 150 90 150 90 150 1000 750 300 200 150 120 120 120 120 100 | | | | | |
| SC10XF-15 SC10XF-22 SC11MI, Metr SC11MI-22E SC11MI-22E SC11MI-22E SC11MI-28F SC11MI-35G SC11, Reduc SC11-1510 SC11-1512 SC11-2815 SC11-2815 SC11-2815 SC11-2815 SC11-3522 SC11-3528 SC11-3528 SC11-4228 | 15 22 ric x IMP C 15x1/2 22x3/ 28x1 35x11/ ing Couple 15x8 15x10 15x12 22x15 28x15 28x22 35x15 28x22 35x15 35x22 35x28 42x22 35x28 42x22 42x28 | 10 10 0 oupler, 10 10 10 5 5 5 5 5 5 5 | 120 60 CxC 500 200 150 90 150 100 750 300 200 150 120 120 120 120 100 100 80 | | | | | |

CODE SIZE BAG BOX SC11, Reducing Coupler, CxC continued from previous column. SC11-4235 80 42x35 5 SC11-5435 54x35 1 30 SC11-5442 54x42 1 30 SC11F, Fitting Reducer, FtgxC SC11F-108 10x8 10 1000 SC11F-158 1000 15x8 10 SC11F-1510 15x10 25 1000 SC11F-1512 750 15x12 10 SC11F-2215 22x15 25 400 SC11F-2815 28x15 10 200 SC11F-2822 28x22 10 200 SC11F-3515 35x15 5 120 SC11F-3522 35x22 5 120 SC11F-3528 100 35x28 5 SC11F-4215 42x15 5 100 SC11F-4222 42x22 5 100 SC11F-4228 42x28 5 80 SC11F-4235 42x35 5 80 SC11F-5415 54x15 50 1 SC11F-5422 54x22 50 1 SC11F-5428 54x28 40 1 SC11F-5435 54x35 1 30 SC11F-5442 54x42 30 1 SC11F-6742 67x42 20 1 SC11F-6754 67x54 1 20 SC11FL, Long Fitting Reducer, FtgxC SC11FL-158 750 15x8 10 SC11FL-1510 750 15x10 10 SC16, ST Swivel Connector, CxFi SC16-15D 15x1/2 400 25 SC16-15E 15x¾ 10 250 SC16-22E 22x¾ 10 200 SC16C, ST Cylinder Connector, CxFi SC16C-22F 22x1 150 10 SC16C-28F 28x1 10 150 SC17, End Cap SC17-8 1000 8 10 SC17-10 10 10 1000 SC17-15 15 25 1000 SC17-22 22 10 500 SC17-28 28 200 5

continued.....

SC25-67

67 1

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| CODE | SIZE | BAG | BOX | | | | | |
|----------------|--|----------|--------|--|--|--|--|--|
| SC17 End Ca | n 0.22 | 5/10 | Den | | | | | |
| | μ ••••• | | | | | | | |
| continued | from previ | ous coil | umn | | | | | |
| SC17-35 | 35 | 5 | 150 | | | | | |
| SC17-42 | 42 | 42 5 | | | | | | |
| SC17-54 | 54 | 54 5 6 | | | | | | |
| SC17-67 | 67 | 1 | 50 | | | | | |
| SC17A, Air Re | lease Ve | nt Cap.0 | CxVent | | | | | |
| | | • • | | | | | | |
| | | Hilton | | | | | | |
| | | A TALLEY | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| SC17A-15 | 15 | 25 | 1000 | | | | | |
| SC17A-22 | 22 | 10 | 400 | | | | | |
| SC17P, Air Re | lease Ver | nt Plug, | | | | | | |
| FtgxVent | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | Contraction of Contra | | | | | | | |
| 00170 15 | 4 - | 4.0 | 4000 | | | | | |
| SC17P-15 | 15 | 10 | 1000 | | | | | |
| SC20, Elbow, | 90 Deg, C | хС | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | (| | | | | | | |
| | | | | | | | | |
| SC20-8 | 8 | 10 | 750 | | | | | |
| SC20 10 | 10 | 10 | 700 | | | | | |
| 3020-10 | 10 | 10 | 700 | | | | | |
| 5020-12 | 12 | 10 | 600 | | | | | |
| SC20-15 | 15 | 25 | 500 | | | | | |
| SC20-22 | 22 | 25 | 150 | | | | | |
| SC20-28 | 28 | 28 10 90 | | | | | | |
| SC20-35 | 35 | 5 | 50 | | | | | |
| SC20-42 | 42 | 5 | 30 | | | | | |
| SC20-54 | 54 | 5 | 15 | | | | | |
| SC20-67 | 67 | 1 | 10 | | | | | |
| SC20 57 | Elbow E | | 10 | | | | | |
| 3020F, Sileei | LIDOW, F | iyxc | | | | | | |
| | | | | | | | | |
| | | 1 | | | | | | |
| | | 1 | | | | | | |
| | | | | | | | | |
| SC20F-15 | 15 | 10 | 400 | | | | | |
| SC20F-22 | 22 | 10 | 200 | | | | | |
| SC20F-28 | 28 | 10 | 100 | | | | | |
| SC20F-35 | 35 | 5 | 50 | | | | | |
| SC20F-42 | 42 | 5 | 15 | | | | | |
| SC20E 54 | | 1 | 10 | | | | | |
| 60201-54 | | - ' | 10 | | | | | |
| SC21, Reduci | ng Elbow | , CXC | | | | | | |
| | a | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| SC21-2215 | 22x15 | 25 | 200 | | | | | |
| SC21-2822 | 28x22 | 25 | 150 | | | | | |
| SC25. Obtuse | Flbow 1 | 35/45 0 | CxC | | | | | |
| 5-15, 55 (d) 6 | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| SC25-15 | 15 | 10 | 450 | | | | | |
| SC25-22 | 22 | 10 | 150 | | | | | |
| SC25-28 | 28 | 10 | 100 | | | | | |
| SC25-35 | 35 | 5 | 50 | | | | | |
| SC25-42 | 42 | 5 | 30 | | | | | |
| SC25-54 | 54 | 1 | 15 | | | | | |

Allpex Integral Solder Ring Fittings.(with lead free solder)

| CODE | 0175 | BAG | POY | CODE | 0175 | DAG | DOY | CODE | 0175 | DA A | POY | |
|--|---------------------------|-------------|-----------|---------------------|--|-----------------|--------------|---|---------------------------------|--------------|------------|--|
| SC25E Fitting | Obtuse Fil | BAG | EUX | SC31 Reduci | I SIZE | BAG CxC | BOX | SG14 Female | SIZE | вАG (Fi | ROX | |
| SU25F, Fitting Ubtuse Elbow, UXFtg SC31, Reducing Tee, CXCXC | | | | | ımn. | continu | ed from prev | ious coli | umn | | | |
| | | | | SC31-424235 | 42x42x35 | 1 | 25 | SG14-35G | 35x1¼ | 1 | 50 | |
| | di- | k., | | SC31-545415 | 54x54x15 | 1 | 20 | SG14-42H | 42x1½ | 1 | 30 | |
| | | | | SC31-545422 | 54x54x22 | 1 | 20 | SG14-54I | 54x2 | 1 | 20 | |
| SC25F-15 | 15 | 10 | 450 | SC31-545428 | 54x54x28 | 1 | 20 | SG14F, Femal | e Fitting Ad | aptor, F | tgxFi | |
| SC25F-22 | 22 | 10 | 150 | SC31-545435 | 54x54x35 | 1 | 15 | (Used to convert copper sockets to female thread) | | | | |
| SC25F-28 | 28 | 10 | 100 | SC31-545442 | 54x54x42 | 1 | 10 | | Statement Statement | | | |
| SC26, Bent Sv | vivel Conne | ector, C | xFi | SG12, Male C | oupler, CxN | /li (BSP | T taper) | | | | | |
| | | | | | - | | SG14E-8B | 8x ¹ /4 | 10 | 300 | | |
| | C 4 - | | | | | 1 | | SG14F-10B | 10x ¹ /4 | 10 | 300 | |
| | | - Alexander | | | POTENCIALS | 14 | | SG14F-10C | 10x ³ / ₈ | 10 | 300 | |
| SC26-15D | 15x½ | 10 | 400 | SG12-8B | 8x¼ | 10 | 300 | SG14F-12D | 12x½ | 10 | 300 | |
| SC26-22E | 22x¾ | 5 | 100 | SG12-10B | 10x¼ | 10 | 300 | SG14F-15B | 15x¼ | 10 | 250 | |
| SC26C, Bent C | ylindrical (| Connec | tor, CxFi | SG12-10C | 10x⅔ | 10 | 300 | SG14F-15D | 15x½ | 10 | 300 | |
| (CONE SPIGO | T) and (man | | | SG12-15B | 15x¼ | 10 | 250 | SG14F-22E | 22x³⁄₄ | 10 | 200 | |
| | State of Concession, Name | 10 | | SG12-15C | 15x ³ / ₈ | 25 | 250 | SG14F-28F | 28x1 | 5 | 80 | |
| | | | | SG12-15D | 15x ¹ ⁄ ₂ | 25 | 250 | SG14F-35G | 35x1¼ | 1 | 50 | |
| 00000 005 | 00-31 | 40 | | SG12-22E | 22x ³ /4 | 10 | 150 | SG14F-42H | 42x1½ | 1 | 50 | |
| SC26C-22E | 22X% | 10 | 90 | SG12-28F | 28X1 | 5 | 140 50 | SG14F-54I | 54X2 | ן פפסד 4- | 25 | |
| SC30 Equal T | | 10 | 90 | SG12-35G | 30X11/4 | 1 | 20 20 | 3622, Wale El | DOW, CXIMI (| D371 ta | aper) | |
| SCSU, Equal 1 | | | | SG12-4211 | 42X1/2 54x2 | 1 | 20 | | altime. | | | |
| | | | | SG12U. St Ma | le Union Co | onnecto | 20 pr. | | 11111 | - | | |
| | | - | | CxMi (BSPT t | aper) (Copp | per tail) | ., | | | | | |
| | | J | | | | | | SG22-15D | 15x½ | 10 | 300 | |
| SC30-8 | 8 | 10 | 500 | | | | | SG22-22E | 22X¾ | 10 | 150 | |
| SC30-10 | 10 | 10 | 500 | | | (manager (| | SG22-28F | 28x1 | 5 | 80 | |
| SC30-12 | 12 | 10 | 400 | | | | | SG22U, Bent I | Male Union, | CxMi (B | SPT taper) | |
| SC30-15 | 15 | 25 | 300 | SG12U-22E | 22x ³ ⁄4 | 10 | 150 | | | | | |
| SC30-22 | 22 | 25 | 100 | SG12U-22F | 22x1 | 5 | 100 | | | | | |
| SC30-28 | 28 | 10 | 50 20 | SG12U-28F | 28X1 | 5 stor Et | 80 axMi | | | 11 | | |
| SC30-35 | 35 42 | 5 | 20 | (Used to convert of | Filling Aud | μισι, Γι | | SG2211-22E | 22x ³ /4 | 5 | 100 | |
| SC30-54 | 54 | 1 | 10 | (Used to convert o | opper sockets | | ileau) | SG24. Female | Elbow. CxF | ï | 100 | |
| SC30-67 | 67 | 1 | 5 | | | | | | | - | | |
| SC31, Reducir | ng Tee, CxC | CxC | | | And a state of the | | | | | (III) | | |
| | | | | SG12F-8B | 8x¼ | 10 | 300 | | MST. | | | |
| | and beauty of the | Low Day | | SG12F-10B | 10x¼ | 10 | 300 | | and a second | | | |
| | | 1 | | SG12F-10C | 10x3⁄8 | 10 | 300 | SG24-15D | 15x½ | 10 | 250 | |
| | | | | SG12F-12C | 12x3⁄8 | 10 | 250 | SG24-22E | 22x¾ | 10 | 100 | |
| SC31-151510 | 15x15x10 | 10 | 300 | SG12F-15B | 15x¼ | 10 | 250 | SG24-28F | 28x1 | 5 | 80 | |
| SC31-757522 | 15X15X22 | 10 | 150 | SG12F-15D | 15X ¹ /2 | 10 | 250 | SG29, Wall Pla | ate Elbow, C | ,XFI | | |
| SC31-221515 | 22x10X10 | 10 | 100 | SG12F-22E | 22x74 28v1 | 5 | 80 | | | P | | |
| SC31-222215 | 22x22x15 | 25 | 150 | SG12F-35G | 35x1¼ | 1 | 50 | | 6 | - | | |
| SC31-222228 | 22x22x28 | 5 | 50 | SG12F-42H | 42x1½ | 1 | 30 | | | 1 | | |
| SC31-281515 | 28x15x15 | 5 | 50 | SG12F-54I | 54x2 | 1 | 20 | SG29-15D | 15x½ | 10 | 200 | |
| SC31-281528 | 28x15x28 | 5 | 50 | SG14, Female | e Coupler, C | xFi | | SG29-22E | 22x³⁄₄ | 5 | 80 | |
| SC31-282215 | 28x22x15 | 5 | 50 | | | | | SG34, Female | Tee, CxCxF | i | | |
| SC31-282222 | 28x22x22 | 5 | 50 | | | | | | | | | |
| SC31-282228 | 28x22x28 | 5 | 50 | | | | | | 1 | | | |
| SC31-282815 | 28x28x15 | 5 | 50 | | 0.1/ | | | | ites C | | | |
| SC31-282822 | 28x28x22 | 5 | 50 | SG14-8B | 8x1/4 | 10 | 300 | 0001151=- | 4 - 4 - 44 | 10 | 1-0 | |
| SC31-353515 | 35x35x15 | 1 | 40 | SG14-10B | 10x1/4 | 10 | 300 | SG34-1515D | 15x15x1⁄2 | 10 | 150 | |
| SC31-353522 | 35X35X22 | 1 | 40 | SG14-10C | 10X78 15x ³ /- | 10 | 300 | SG34-15D15 | 15X /2X15 | 10 | 150 | |
| SC31 121215 | 20X22X20 | 1 | 40 20 | SG14-150 | 15x/8 | 10 | 250 | SC34-2222D | 22X22X/2 | 10 | 100 | |
| SC31-424210 | 42x42x13 | 1 | 30 | SG14-15D | 15x ¹ ⁄ ₂ | 25 | 200 | SG34-22D22 | 22X/2X22 22X22v3/. | 10 | 100 | |
| SC31-424228 | 42x42x28 | 1 | 30 | SG14-22F | 22x ³ /4 | 10 | 200 | 0007-2222L | | 10 | 100 | |
| 5001 127220 | | continu | ued | SG14-28F | 28x1 | 5 | 80 | | | | | |
| <u> </u> | | | | | | contin | | | | | | |