Capillary Fittings

Our range of capillary fittings include end feed and solder ring options and are available in both copper and brass, offering a lightweight, fast and simple joint for copper pipe, ideal for domestic and commercial heating and plumbing applications.

Available in sizes from 6mm to 159mm, we have a fitting to suit most applications and projects. All fittings are guaranteed against manufacturing defects for 25 years and are manufactured to BS EN 1254 and WRAS approved.

End Feed Fittings

Offering a complete range of sizes, from 6mm to 159mm our end feed fittings provide a traditional connection for commercial and residential installations. And our range of larger fittings is ideal for more complex and demanding commercial projects, providing reliability and security of connection.

The end feed joint is created through the process of capillary action as solder is applied to the end feed fitting to make an easy, effective connection.

Solder Ring Fittings

With a comprehensive selection of fittings, Flowflex solder ring fittings are available in copper and brass and are manufactured to the highest standards. Sizes range from 8mm to 54mm.

All fittings comply with British and International standards, manufactured to BS EN 1254 under quality management standard ISO9001:2015. A ring of high quality lead-free solder is located in each fitting with the joint secured through capillary action as the pre-soldered fitting is heated to make both an easy and effective connection, without the need to use additional solder.

Dimensions

End Feed

Equal fittings with uniform connections are shown with one size. e.g. 15mm

Reduced fittings with two connections are shown with the largest size first. e.g. 22 x 15mm

Code (European)

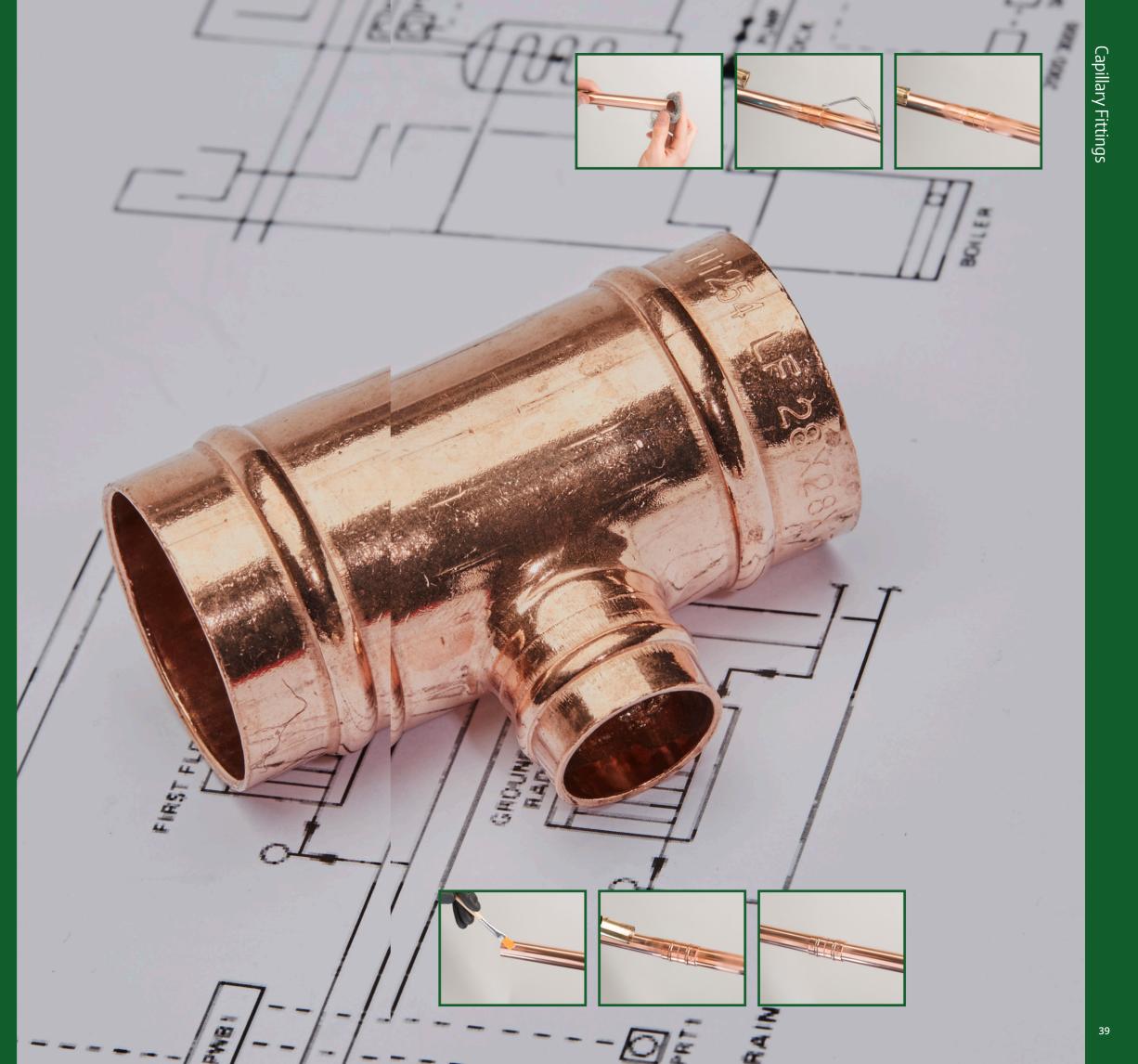
Tees and other reduced fittings of unequal sizes are shown with the largest end first, then the branch, followed by the remaining end on the run. e.g. 5130R.221522

Solder Ring

Equal fittings with uniform connections are shown with one size. e.g. 15mm

Reduced fittings with two connections are shown with the largest size first. e.g. 22 x 15mm

Tees and other reduced fittings of unequal sizes are shown with the largest end first, then the opposite run, followed by the branch. e.g. 22 x 22 x 15mm



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End Feed Fittings to EN 1254-1 and EN 1254-4



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Code: **5243**

Code: C805SCEF



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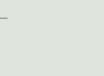
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Solder Ring Fittings to EN 1254-1 and EN 1254-4





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Code: P803WPDRSR Page 58

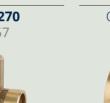
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*E***nd Feed Fittings**

5001a Long Radius Street Elbow





Code	Size	Α	в	с	Ха	Xb	Xc
5001a.12	12 x 12mm	23	25		8		
5001a.15	15 x 15mm	29	31		11		
5001a.22	22 x 22mm	42	44		15		
5001a.28	28 x 28mm	52	54		18		
5001a.35	35 x 35mm	65	67		23		
5001a.42	42 x 42mm	77	79		27		
5001a.54	54 x 54mm	97	99		32		

5002a Long Radius Elbow



ØDb _

Code	Size	Α	В	С	Ха	Xb	Xc
5002a.12	12 x 12mm	23	23		8	8	
5002a.15	15 x 15mm	29	29		11	11	
5002a.22	22 x 22mm	42	42		15	15	
5002a.28	28 x 28mm	52	52		18	18	
5002a.35	35 x 35mm	65	65		23	23	
5002a.42	42 x 42mm	77	77		27	27	
5002a.54	54 x 54mm	97	97		32	32	

5040 45° Street Elbow



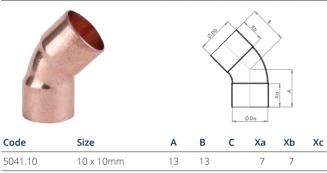


Code	Size	Α	В	С	Ха	Xb	Xc
5040.12	12 x 12mm	13	15		8		
5040.15	15 x 15mm	16	18		10		
5040.22	22 x 22mm	23	25		15		
5040.28	28 x 28mm	28	30		18		
5040.35	35 x 35mm	37	39		23		

5040 Continued

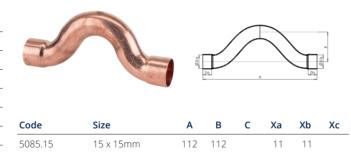
Code	Size	А	В	с	Xa	Xb	Xc
5040.42	42 x 42mm	42	44		27		
5040.54	54 x 54mm	52	54		32		

5041 45° Equal Elbow



5041.10	10 x 10mm	13	13	/	/	
5041.15	15 x 15mm	17	17	11	11	
5041.22	22 x 22mm	23	23	15	5 15	
5041.28	28 x 28mm	28	28	17	7 17	
5041.35	35 x 35mm	37	37	23	3 23	
5041.42	42 x 42mm	42	42	27	7 27	
5041.54	54 x 54mm	52	52	32	2 32	

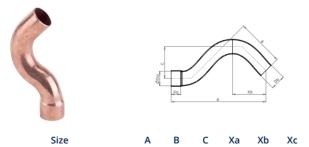
5085 Full Crossover



5086 Part Crossover

22 x 22mm

5085.22



145 35

16 16

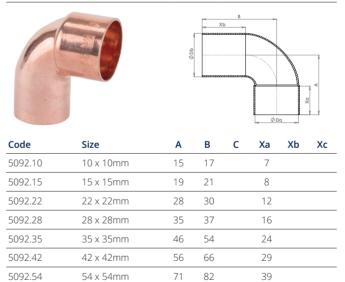
Code	Size	Α	В	С	Ха	Xb	Xc
5086.15	15 x 15mm	93	35	27	13	43	
5086.22	22 x 22mm	120	45	35	14	54	

C End Feed Fittings

5090 90° Equal Elbow

			-	В				Code	Size	Α	в	с	Ха	Xb	Xc
								5130.15	15 x 15 x 15mm	20	20	20	11	11	11
			4Db	_			1	5130.22	22 x 22 x 22mm	28	28	28	16	16	16
								5130.28	28 x 28 x 28mm	34	34	34	19	19	19
					ř –		¢	5130.35	35 x 35 x 35mm	42	42	42	22	22	22
						Xc		5130.42	42 x 42 x 42mm	50	50	50	27	27	27
					ØDa	-		5130.54	54 x 54 x 54mm	61	61	61	32	32	32
Code	Size	Α	В	С	Ха	Xb	Xc								
5090.08	8 x 8mm	13	13		6	6		5130R R	educed Branch	Tee					
5090.10	10 x 10mm	15	15		7	7									
5090.12	12 x 12mm	16	16		8	8						<i>.</i>	De .		
5090.15	15 x 15mm	19	19		10	10							_	Xc	П
5090.22	22 x 22mm	28	28		15	15			A-A				\rightarrow		1 ₀
5090.28	28 x 28mm	35	35		18	18			1 Parts		000				ØDb
5090.35	35 x 35mm	46	46		23	23			14		- Xa	A	в	Хь	
5090.42	42 x 42mm	55	55		27	27			1 the						
5090.54	54 x 54mm	70	70		32	32		Code	Size	А	в	с	Ха	Xb	Xc

5092 90° Street Elbow



71 82 39

5130 Equal Tee

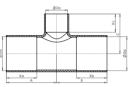
54 x 54mm

			- Xa - A				Ø DP
Code	Size	Α	в	с	Xa	Xb	Xc
5130.06	6 x 6 x 6mm	11	11	11	6	6	6
5130.08	8 x 8 x 8mm	12	12	12	6	6	6
5130.10	10 x 10 x 10mm	14	14	14	8	8	8
5130.12	12 x 12 x 12mm	18	18	18	9	9	9

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5130 Continued



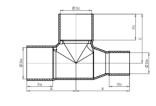


Code	Size	Α	в	С	Xa	Xb	Xc
5130R.151015	15 x 15 x 10mm	17	17	17	6	9	6
5130R.221022	22 x 22 x 10mm	25	25	17	9	12	6
5130R.221522	22 x 22 x 15mm	25	25	23	9	12	9
5130R.281528	28 x 28 x 15mm	28	28	26	9	15	9
5130R.282215	28 x 15 x 22mm	31	30	31	12	15	19
5130R.281522	28 x 22 x 15mm	28	28	26	9	15	12
5130R.282228	28 x 28 x 22mm	31	31	31	12	15	12
5130R.351535	35 x 35 x 15mm	32	32	30	9	19	0
5130R.352235	35 x 35 x 22mm	36	36	35	13	19	13
5130R.352835	35 x 35 x 28mm	38	38	38	15	19	15
5130R.421542	42 x 42 x 15mm	36	36	34	9	23	9
5130R.422242	42 x 42 x 22mm	40	40	39	13	23	13
5130R.422842	42 x 42 x 28mm	43	43	42	16	23	16
5130R.423542	42 x 42 x 35mm	46	46	46	19	23	19
5130R.541554	54 x 54 x 15mm	41	41	40	9	29	9
5130R.542254	54 x 54 x 22mm	45	45	45	13	29	13
5130R.542854	54 x 54 x 28mm	48	48	48	16	29	16
5130R.543554	54 x 54 x 35mm	51	51	52	19	29	19
5130R.544254	54 x 54 x 42mm	55	55	56	23	29	23

C End Feed Fittings

5130R Reduced End Tee

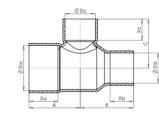




Code	Size	Α	В	С	Ха	Xb	Хс
5130R.151510	15 x 10 x 15mm	19	19	19	8	8	11
5130R.222215	22 x 15 x 22mm	28	27	28	12	12	16
5130R.282815	28 x 15 x 28mm	34	33	34	15	15	22
5130R.282822	28 x 22 x 28mm	34	35	34	15	15	19
5130R.353522	35 x 22 x 35mm	42	42	42	19	19	26
5130R.353528	35 x 28 x 35mm	42	42	42	19	19	23
5130R.424235	42 x 35 x 42mm	50	50	50	23	23	27
5130R.545442	54 x 42 x 54mm	61	62	61	29	29	35

5130R Reduced End & Branch Tee





36 37 35 13 19

18

Code	Size	Α	В	С	Ха	Xb	Хс
5130R.221515	22 x 15 x 15mm	25	24	23	9	12	13
5130R.281515	28 x 15 x 15mm	28	27	26	9	15	16
5130R.282222	28 x 22 x 22mm	31	32	31	12	15	16
5130R.352222	35 x 22 x 22mm	36	37	35	13	19	21
5130R.352828	35 x 28 x 28mm	38	40	38	15	19	21
5130R.423535	42 x 35 x 35mm	46	46	46	19	23	23

5130R Reduced Both Ends Tee

			Xa			Xb	g bb k k k
Code	Size	Α	В	С	Ха	Xb	Хс
5130R.152215	15 x 15 x 22mm	27	27	28	16	12	16
5130R.222822	22 x 22 x 28mm	35	35	34	19	15	19

5240 Reducing Coupling



Code	Size	А	в	с	Xa	Xb	Xc
5240.1008	10 x 8mm	17					
5240.1208	12 x 8mm	19					
5240.1508	15 x 8mm	24					
5240.1510	15 x 10mm	24					
5240.1512	15 x 12mm	24					
5240.2212	22 x 12mm	32					
5240.2215	22 x 15mm	32					
5240.2815	28 x 15mm	38					
5240.2822	28 x 22mm	40					
5240.3515	35 x 15mm	48					
5240.3522	35 x 22mm	48					
5240.3528	35 x 28mm	48					
5240.4228	42 x 28mm	56					
5240.4235	42 x 35mm	60					
5240.5422	54 x 22mm	70					
5240.5428	54 x 28mm	70					
5240.5435	54 x 35mm	70					

5243 Fitting Reducer



Code	Size	А	в	с	Xa	Xb	Xc
5243.0806	8 x 6mm	16			6		
5243.1006	10 x 6mm	20			6		
5243.1008	10 x 8mm	20			8		
5243.1210	12 x 10mm	22			8		
5243.1508	15 x 8mm	26			7		
5243.1510	15 x 10mm	24			8		
5243.1512	15 x 12mm	26			8		
5243.2212	22 x 12mm	33			8		
5243.2215	22 x 15mm	35			13		
5243.2812	28 x 12mm	41			9		
5243.2815	28 x 15mm	43			11		
5243.2822	28 x 22mm	44			16		
5243.3515	35 x 15mm	50			11		
5243.3522	35 x 22mm	50			15		

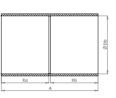
Find Feed Fittings

5243 Continued

Code	Size	А	В	С	Xa	Xb	Xc
5243.3528	35 x 28mm	50			18		
5243.3215	42 x 15mm	65			11		
5243.4222	42 x 22mm	58			16		
5243.4228	42 x 28mm	58			18		
5243.4235	42 x 35mm	60			25		
5243.5415	54 x 15mm	70			10		
5243.5422	54 x 22mm	70			18		
5243.5428	54 x 28mm	70			25		
5243.5435	54 x 35mm	70			25		
5243.5442	54 x 42mm	70			25		

5270 Straight Coupling





Code	Size	Α	в	С	Xa	Xb	Xc	Xc
5270.08	8 x 8mm	15			6	6		
5270.10	10 x 10mm	17			7	7		
5270.12	12 x 12mm	19			8	8		
5270.15	15 x 15mm	24			11	11		
5270.22	22 x 22mm	33			15	15		
5270.28	28 x 28mm	40			18	18		
5270.35	35 x 35mm	49			23	23		
5270.42	42 x 42mm	58			27	27		
5270.54	54 x 54mm	69			32	32		

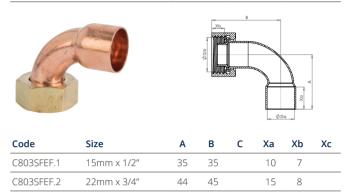
5301 Stop End

							C901EF.25	22mm x 3/4"	36			16	15	
	• •						C901EF.26	28mm x 1"	40			20	19	
6	4						C901EF.27	35mm x 1 1/4"	53			23	23	
			DX T	ØDa			C903SFE	F Straight Tap	Conne	ctor				
Code	Size	А	в с	Xa	Xb	Xc	1.99			1				1
5301.08	8mm	9		6						Ø Da			ß	
5301.10	10mm	9		7				-						1
5301.12	12mm	10		8							Xa		Xb	
5301.15	15mm	12		10								A	-	
5301.22	22mm	17		15			Code	Size	А	в	с	Xa	Xb	Xc
5301.28	28mm	20		18			C903SFEF.1	15mm x 1/2"	33			12	8	
5301.35	35mm	25		23			C903SFEF.2	15mm x 3/4"	38			12	8	
5301.42	42mm	29		27			C9035FEF.3	22mm x 3/4"	45			17	8	
5301.54	54mm	34		32			C9033FEF.3	ZZIIIIII X 3/4	45			17	0	

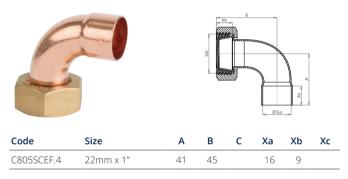
www.flowflex.com

5130R.352228 35 x 28 x 22mm

C803SFEF Bent Tap Connector

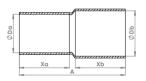


C805SCEF Bent Cylinder Union



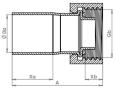
C901EF Metric x Imperial Coupling





Code	Size	А	в	с	Ха	Xb	Xc
C901EF.245	15mm x 1/2"	23			11	11	
C901EF.25	22mm x 3/4"	36			16	15	
C901EF.26	28mm x 1"	40			20	19	
C901EF.27	35mm x 1 1/4"	53			23	23	

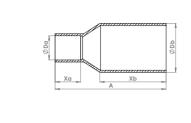




Find Feed Fittings

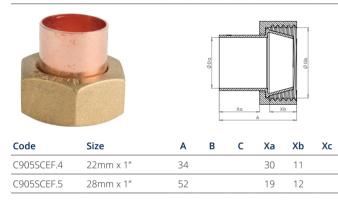
C904LEF Long Fitting Reducer





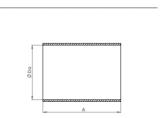
Code	Size	Α	В	С	Ха	Xb	Xc
C904LEF.17	15 x 8mm	38			7	22	
C904LEF.18	15 x 10mm	37			8	21	

C905SCEF Straight Cylinder Union



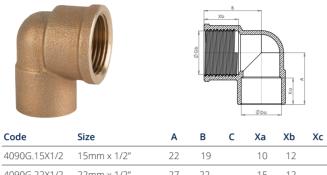
C906EF Slip Coupling





Code	Size	А	В	С	Xa	Xb	Xc
C906EF.05	15mm	24					
C906EF.08	22mm	33					
C906EF.09	28mm	40					
C906EF.10	35mm	48					

4090G Female Elbow Adaptor



4090G.22X1/2	22mm x 1/2"	27	22	15	12	
4090G.22X3/4	22mm x 3/4"	30	23	15	14	
4090G.28X1	28mm x 1"	36	40	18	20	
4090G.35X1.1/4	35mm x 1 1/4"	43	46	23	22	
4090G.42X1.1/2	42mm x 1 1/2"	56	50	27	22	
4090G.54X2	54mm x 2"	64	54	32	21	

4092G Male Elbow Adaptor



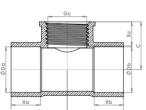
e	
- WARA	× ×
	ØDa

Xb

Code	Size	Α	В	С	Xa	Xb	Хс
4092G.15X1/2	15mm x 1/2"	20	23		10	12	
4092G.22X3/4	22mm x 3/4"	33	29		15	12	
4092G.28X1	28mm x 1"	35	36		18		

4130G Adaptor Tee - Female Branch





Code Size	Α	В	С	Xa	Xb	Xc
4130G.15X1/2X15 15 x 15mm x 1	/2″ 22	22	27	10	10	18
4130G.22X1/2X22 22 x 22mm x 1,	/2″ 27	27	23	15	15	13
4130G.22X3/4X22 22 x 22mm x 3	/4″ 28	28	32	15	15	18
4130G.28X1/2X28 28 x 28mm x 1,	/2″ 31	31	26	19	19	15
P717EF.6 28 x 28mm x 3/	/4″ 33	33	38	18	18	19

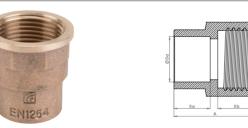
C End Feed Fittings

4243G Male Straight Adaptor

	a 11254		000	Ха.,			*	
ode	Size	Δ	в	c	Xa	Xh	,	x

Code	Size	Α	В	С	Ха	Xb	Xc
P902TEF.04	8mm x 1/4"	26			7	13	
P902TEF.09	12mm x 1/4"	26			8	13	
P902TEF.12	15mm x 1/4"	29			12	13	
4243G.15X1/2	15mm x 1/2"	28			13	12	
4243G.15X3/4	15mm x 3/4"	29			10	14	
4243G.15X3/8	15mm x 3/8"	22			10	9	
4243G.22X1	22mm x 1"	31			16	17	
4243G.22X1/2	22mm x 1/2"	30			15	12	
4243G.22X3/4	22mm x 3/4"	28			15	13	
4243G.28X1	28mm x 1"	33			18	15	
4243G.35X1.1/4	35mm x 1 1/4"	44			23	19	
4243G.35X1	35mm x 1"	43			23	16	
4243G.42X1.1/2	42mm x 1 1/2"	50			27	21	
4243G.54X2	54mm x 2"	57			27	24	

4270G Female Straight Adaptor



Code	Size	Α	В	С	Xa	Xb	Xc	
4270G.15X1/2	15mm x 1/2"	27			12	12		
P903EF.10	15mm x 1/4"	27			11	13		
4270G.15X3/4	15mm x 3/4"	27			10	13		
4270G.22X1	22mm x 1"	39			15	18		
4270G.22X1/2	22mm x 1/2"	31			15	13		
4270G.22X3/4	22mm x 3/4"	35			15	16		
4270G.28X1	28mm x 1"	40			18	19		
4270G.35X1.1/4	35mm x 1 1/4"	48			23	23		
4270G.42X1.1/2	42mm x 1 1/2"	50			27	20		
4270G.54X2	54mm x 2"	55			27	25		

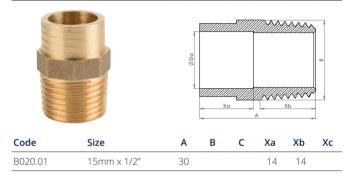
www.flowflex.com

4341G Male Union Adaptor

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Code	Size	А	в	С	Ха	Xb	Хс
4341G.15X1/2	15mm x 1/2"	45			11	11	
4341G.22X3/4	22mm x 3/4"	53			16	14	

45410.15/1/2	I JIIIII A 1/2	40			
4341G.22X3/4	22mm x 3/4"	53	16	14	
4341G.28X1	28mm x 1"	65	19	16	
4341G.35X1.1/4	35mm x 1 1/4"	76	26	18	
4341G.42X1.1/2	42mm x 1 1/2"	93	28	20	
4341G.54X2	54mm x 2"	105	34	22	

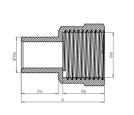
B020 Male Straight Adaptor - Taper



C End Feed Fittings

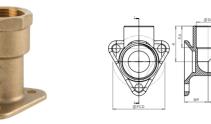
FA Female Straight Adaptor





Code	Size	Α	В	С	Ха	Xb	Xc
FA.1512	15mm x 1/2"	35			15	17	
FA.2234	22mm x 3/4"	43			23	18	
FA.281	28mm x 1"	50			26	21	

P803WPEF Wallplate Elbow Adaptor



Code	Size	Α	В	С	Ха	Xb	WP
P803WPEF.2	15mm x 1/2"	25	23	15	15	15	17
P803WPEF.5	22mm x 3/4"	34	30	22	17	16	20

Bolting

M12

M12

M12

M12

M16

M16

M16

M16

M16

M16

M20

M20

FFL5221 Bi Metallic Flange PN16

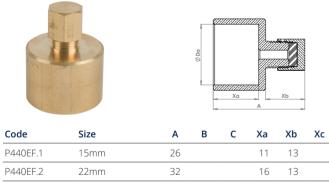


371.1 Air Vent

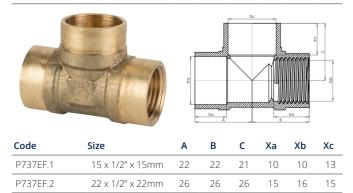


Code Size C Xa Xb Xc Α В 371.1 1/2″ 16

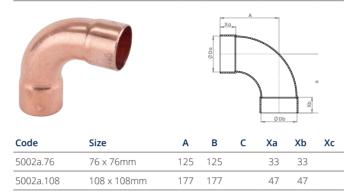
P440EF Air Vent



P737EF Adaptor Tee - Female End

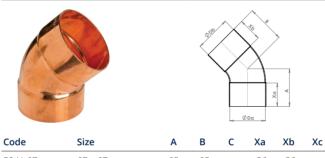


5002a Long Radius Elbow



G Large Size End Feed Fittings

5041 45° Equal Elbow

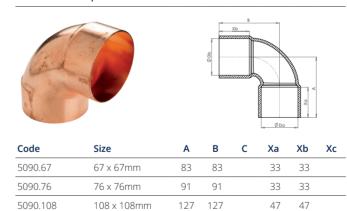


couc	5120	A	D	C	Λu	7.0	AC
5041.67	67 x 67mm	65	65		36	36	
5041.76	76 x 76mm	68	68		36	36	
5041.108	108 x 108mm	110	110		50	50	
5041.133	133 x 133mm	280	280		45	45	
5041.159	159 x 159mm	335	335		45	45	

5090 90° Equal Elbow

5090.133

5090.159



127 127

160 160

47 47

60 60

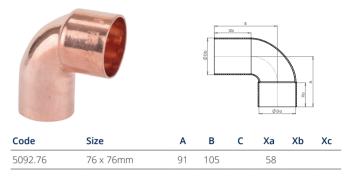
133 x 133mm

159 x 159mm

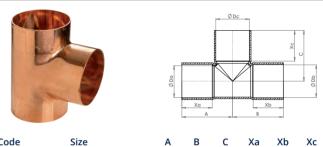
FFL5221.159 159mm 285 21 FFL5221.219 219mm 340 23 12

www.flowflex.com

5092 90° Street Elbow



5130 Equal Tee



Code	Size	Α	В	С	Ха	Xb	Хс
5130.67	67 x 67 x 67mm	78	78	78	36	36	36
5130.76	76 x 76 x 76mm	80	80	80	34	34	34
5130.108	108 x 108 x 108mm	112	112	112	48	48	48
5130.133	133 x 133 x 133mm	135	135	135	50	50	50
5130.159	159 x 159 x 159mm	160	160	160	60	60	60

G Large Size End Feed Fittings

5130R Reduced Branch Tee



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Code	Size	Α	в	С	Xa	Xb	Xc
5130R.672867	67 x 67 x 28	54	54	61	21	42	35
5130R.673567	67 x 67 x 35	58	58	64	25	41	21
5130R.674267	67 x 67 x 42	61	61	67	27	41	27
5130R.675467	67 x 67 x 54	67	67	74	33	42	33
5130R.762876	76 x 76 x 28	59	59	70	25	46	25
5130R.763576	76 x 76 x 35	59	59	70	25	46	25
5130R.764276	76 x 76 x 42	63	63	74	29	46	29
5130R.765476	76 x 76 x 54	69	69	79	35	46	35
5130R.766776	76 x 76 x 67	78	78	81	44	48	44
5130R.10822108	108 x 108 x 22	72	72	88	24	72	24
5130R.10835108	108 x 108 x 35	77	77	92	29	65	29
5130R.10842108	108 x 108 x 42	80	80	97	32	70	32
5130R.10854108	108 x 108 x 54	86	86	97	38	65	38
5130R.10867108	108 x 108 x 67	91	91	97	43	64	43
5130R.10876108	108 x 108 x 76	95	95	97	47	64	47
5130R.133108133	133 x 133 x 108	139	139	142	89	94	89
5130R.15954159	159 x 159 x 54	90	90	118	42	86	42
5130R.15967159	159 x 159 x 67	101	101	120	53	86	53
5130R.15976159	159 x 159 x 76	101	101	120	53	86	53
5130R.159108159	159 x 159 x 108	117	117	142	69	94	69
5130R.159133159	159 x 159 x 133	130	130	120	92	86	82
5130R.219159219	219 x 219 x 159	185	185	175	115	110	107

5243 Fitting Reducer

Code	Cine.			~	¥-	VI-	¥-
	Size	A	В	С	Ха	Xb	Хс
5243.6722	67 x 22mm	80			20		
5243.6728	67 x 28mm	80			20		
5243.6735	67 x 35mm	80			20		
5243.6742	67 x 42mm	88			30		
5243.6754	67 x 54mm	80			32		
5243.7635	76 x 35mm	90			30		
5243.7642	76 x 42mm	90			30		
5243.7654	76 x 54mm	85			35		
5243.7667	76 x 67mm	81			32		
5243.10835	108 x 35mm	116			32		
5243.10842	108 x 42mm	116			42		
5243.10854	108 x 54mm	116			32		
5243.10867	108 x 67mm	112			32		
5243.10876	108 x 76mm	108			36		
5243.13367	133 x 67mm	119			32		
5243.13376	133 x 76mm	119			36		
5243.133108	133 x 108mm	106			36		
5243.15976	159 x 76mm	120			30		
5243.159108	159 x 108mm	150			40		
5243.159133	159 x 133mm	160			40		
5243.219159	219 x 159mm	169			45		

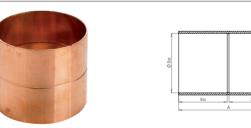
5240 Reducing Coupling



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Code	Size	Α	В	С	Xa	Xb	Xc
5240.6742	67 x 42mm	78					
5240.6754	67 x 54mm	85					
5240.7654	76 x 54mm	84					
5240.7667	76 x 67mm	85					

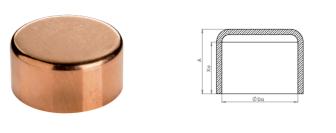
5270 Straight Coupling



Code	Size	Α	В	С	Xa	Xb	Xc
5270.67	67 x 67mm	72			33	33	
5270.76	76 x 76mm	72			33	33	
5270.108	108 x 108mm	100			47	47	
5270.133	133 x 133mm	100			47	47	
5270.159	159 x 159mm	100			47	47	
5270.219	219 x 219mm	125			75	75	

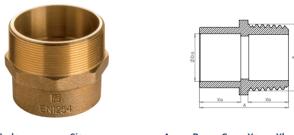
C Large Size End Feed Fittings

5301 Stop End



Code	Size	Α	В	С	Xa	Xb	Xc
5301.67	67mm	35			33		
5301.76	76mm	35			33		
5301.108	108mm	49			47		
5301.159	159mm	64			62		

4243G Male Straight Adaptor



Code	Size	Α	В	С	Ха	Xb	Хс
4243G.67X2.1/2	67mm x 2 1/2"	72			32	31	
4243G.76X3	76mm x 3"	76			34	31	
4243G.108X4	108mm x 4"	98			47	37	

4270G Female Straight Adaptor

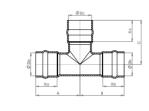
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Code	Size	А	в	С	Xa	Xb	Xc
4270G.67X2.1/2	67mm x 2 1/2"	64			32	28	
4270G.76X3	76mm x 3"	65			33	28	
4270G.108X4	108mm x 4"	83			48	31	

End Feed Fitting

G Solder Ring Fittings

C701SR Equal Tee



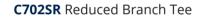


Code	Size	Α	В	С	Xa	Xb	Хс
C701SR.02	8 x 8 x 8mm	16	16	16	10	10	10
C701SR.03	10 x 10 x 10mm	20	20	20	12	12	12
C701SR.04	12 x 12 x 12mm	19	19	19	13	13	13
C701SR.05	15 x 15 x 15mm	22	22	22	15	15	15
C701SR.08	22 x 22 x 22mm	30	30	30	20	20	20
C701SR.09	28 x 28 x 28mm	37	37	37	22	22	22
C701SR.10	35 x 35 x 35mm	46	46	46	26	26	26
C701SR.11	42 x 42 x 42mm	53	53	53	31	31	31
C701SR.12	54 x 54 x 54mm	65	65	65	38	38	38

C703SR Reduced End Tee

Code	Size	Α	В	С	Ха	Xb	Xc
C703SR.15	22 x 15 x 22mm	30	31	32	19	14	19
C703SR.17	28 x 15 x 28mm	39	41	39	23	14	22
C703SR.18	28 x 22 x 28mm	40	41	38	22	18	21
C703SR.20	35 x 22 x 35mm	49	46	46	28	20	28
C703SR.21	35 x 28 x 35mm	49	48	47	29	24	28

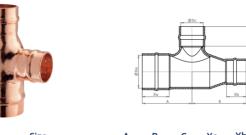
C704SR Reduced End & Branch Tee





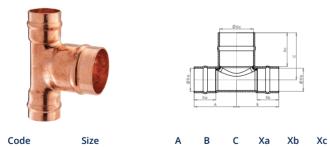
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Code	Size	А	в	С	Xa	Xb	Xc
C702SR.133	15 x 15 x 10mm	23	23	26	14	15	11
C702SR.16	22 x 22 x 15mm	36	36	27	20	20	14
C702SR.19	28 x 28 x 15mm	30	30	29	22	22	14
C702SR.20	35 x 35 x 28mm	33	33	31	22	22	19
C702SR.21	35 x 35 x 22mm	38	38	39	30	30	20
C702SR.22	35 x 35 x 15mm	37	37	34	29	29	14
C702SR.23	35 x 35 x 28mm	42	42	43	27	27	23
C702SR.24	42 x 42 x 15mm	40	40	59	32	32	14
C702SR.25	42 x 42 x 22mm	43	43	42	33	33	20
C702SR.26	42 x 42 x 28mm	47	47	46	31	31	26
C702SR.27	42 x 42 x 35mm	49	49	50	32	32	27
C702SR.33	54 x 54 x 15mm	47	47	45	38	38	15
C702SR.34	54 x 54 x 22mm	49	49	49	37	37	19
C702SR.35	54 x 54 x 28mm	51	51	51	38	38	27
C702SR.36	54 x 54 x 35mm	55	55	57	38	38	27
C702SR.37	54 x 54 x 42mm	58	58	62	37	37	32



Code	Size	A	в	C	Ха	XD	xc	
C704SR.14	22 x 15 x 15mm	28	29	27	19	14	14	
C704SR.171	28 x 22 x 22mm	35	38	34	23	19	18	

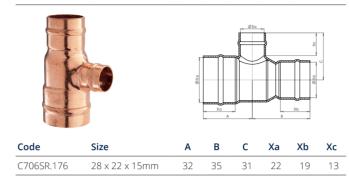
C705SR Reduced Both Ends Tee



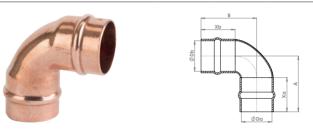
C705SR.13	15 x 15 x 22mm	35	35	32	16	16	20
C705SR.165	22 x 22 x 28mm	34	34	37	20	20	22

G Solder Ring Fittings

C706SR Reduced 3 Ways Tee

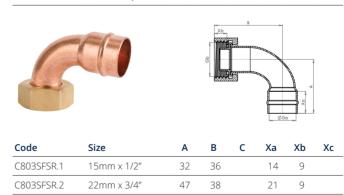


C801SR 90° Equal Elbow



Code	Size	Α	В	с	Ха	Xb	Xc	- 1				1		<	
C801SR.02	8 x 8mm	18	18		9	9		-	-					Ň	
C801SR.03	10 x 10mm	19	19		12	12						L	ØDa		
C801SR.04	12 x 12mm	22	22		12	12		Code	Size	Α	в	С	Xa	Xb	Xc
C801SR.05	15 x 15mm	24	24		14	14		C804SR.05	15 x 15mm	17	17		14	14	
C801SR.08	22 x 22mm	35	35		20	20		C804SR.08	22 x 22mm	24	24		19	19	
C801SR.09	28 x 28mm	37	37		22	22		C804SR.09	28 x 28mm	31	31		25	25	
C801SR.10	35 x 35mm	46	46		27	27		C804SR.10	35 x 35mm	36	36		29	29	
C801SR.11	42 x 42mm	57	57		25	25		C804SR.11	42 x 42mm	41	41		32	32	
C801SR.12	54 x 54mm	67	67		38	38		C804SR.12	54 x 54mm	49	49		39	39	

C803SFSR Bent Tap Connector



C803SR 90° Street Elbow

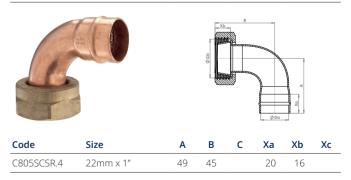
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Code	Size	Α	в	с	Xa	Xb	Xc
C803SR.05	15 x 15mm	24	25		14	14	
C803SR.08	22 x 22mm	32	36		20	21	
C803SR.09	28 x 28mm	39	42		20	24	
C803SR.11	42 x 42mm	50	61		33	32	

C804SR 45° Equal Elbow





C805SCSR Bent Cylinder Union

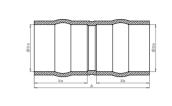


Solder Ring Fittings

G Solder Ring Fittings

C901SR Straight Coupling





Code	Size	Α	В	С	Ха	Xb	Xc
C901SR.02	8 x 8mm	20			10	10	
C901SR.03	10 x 10mm	23			11	11	
C901SR.04	12 x 12mm	26			13	13	
C901SR.05	15 x 15mm	29			14	14	
C901SR.08	22 x 22mm	41			20	20	
C901SR.09	28 x 28mm	46			23	23	
C901SR.10	35 x 35mm	56			28	28	
C901SR.11	42 x 42mm	66			32	32	
C901SR.12	54 x 54mm	79			39	39	

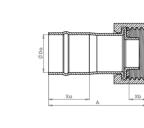
C901SR Metric x Imperial Coupling



Size	Α	в	С	Ха	Xb	Xc
15mm x 1/2"	28			14	14	
22mm x 3/4"	41			19	19	
28mm x 1"	26			13	22	
35mm x 1 1/4"	62			29	30	
	15mm x 1/2" 22mm x 3/4" 28mm x 1"	15mm x 1/2" 28 22mm x 3/4" 41 28mm x 1" 26	15mm x 1/2" 28 22mm x 3/4" 41 28mm x 1" 26	15mm x 1/2" 28 22mm x 3/4" 41 28mm x 1" 26	15mm x 1/2" 28 14 22mm x 3/4" 41 19 28mm x 1" 26 13	15mm x 1/2" 28 14 14 22mm x 3/4" 41 19 19 28mm x 1" 26 13 22

C903SFSR Straight Tap Connector





Code	Size	Α	В	С	Xa	Xb	Xc
C903SFSR.1	15mm x 1/2"	39			16	9	
C903SFSR.2	15mm x 3/4"	48			14	11	
C903SFSR.3	22mm x 3/4"	49			19	9	

C904SR Fitting Reducer



200	
Xa	Xb -

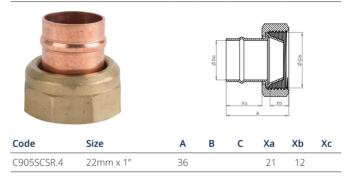
Code	Size	А	В	С	Xa	Xb	Хс
C904SR.16	10 x 8mm	24			11	10	
C904SR.17	15 x 8mm	32			14	15	
C904SR.18	15 x 10mm	31			13	14	
C904SR.19	15 x 12mm	33			14	17	
C904SR.20	22 x 15mm	39			14	18	
C904SR.21	28 x 15mm	43			14	21	
C904SR.22	28 x 22mm	48			20	23	

G Solder Ring Fittings

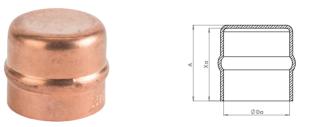
C904SR Continued

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Code	Size	Α	В	С	Xa	Xb	Xc
C904SR.23	35 x 28mm	58			22	31	
C904SR.231	35 x 22mm	57			19	29	
C904SR.232	35 x 15mm	55			15	29	
C904SR.233	42 x 15mm	62			14	33	
C904SR.234	42 x 22mm	64			21	33	
C904SR.236	42 x 28mm	66			24	35	
C904SR.2361	42 x 35mm	68			27	34	
C904SR.237	54 x 15mm	75			14	41	
C904SR.2375	54 x 22mm	75			20	38	
C904SR.238	54 x 28mm	73			23	39	
C904SR.239	54 x 35mm	80			29	41	
C904SR.24	54 x 42mm	80			33	41	

C905SCSR Straight Cylinder Union



C923SR Stop End



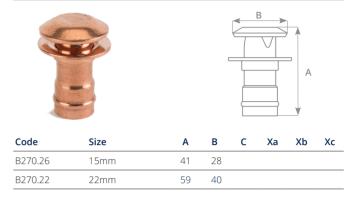
Code	Size	А	в	с	Xa	Xb	Xc
C923SR.1	8mm	11			9		
C923SR.2	10mm	12			10		
C923SR.4	15mm	15			13		
C923SR.5	22mm	20			18		
C923SR.6	28mm	24			22		
C923SR.7	35mm	29			27		
C923SR.8	42mm	31			29		
C923SR.9	54mm	37			35		



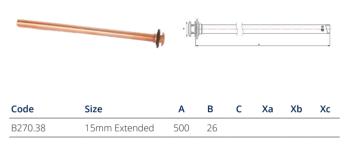
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Code	Size	Α	В	С	Xa	Xb	Xc
C901SR.17	15 x 8mm	30			11	14	
C901SR.18	15 x 10mm	31			12	14	
C901SR.19	15 x 12mm	31			12	15	
C901SR.20	22 x 15mm	40			14	20	
C901SR.21	28 x 15mm	47			14	24	
C901SR.22	28 x 22mm	50			20	23	
C901SR.23	35 x 28mm	58			25	29	
C901SR.231	35 x 22mm	58			20	29	
C901SR.236	42 x 28mm	66			23	33	
C901SR.2361	42 x 35mm	72			26	36	
C901SR.24	54 x 42mm	79			39	33	
C901SR.239	54 x 35mm	75			29	36	

B270 Pipe Cowl

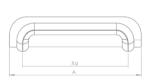


B270 Extended Pipe Cowl



B270 Click Fix



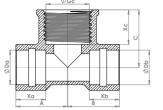


Code	Size	Α	в	с	Ха	Xb	Хс
B270.39	15mm	46			36		
B270.40	22mm	45			36		

G Solder Ring Fittings

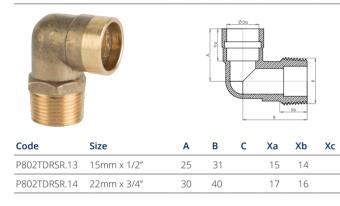
P717DRSR Adaptor Tee - Female Branch



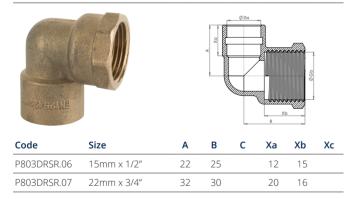


Code	Size	Α	В	С	Ха	Xb	Хс
P717DRSR.1	15 x 15mm x 1/2"	22	22	25	12	12	14
P717DRSR.2	22 x 22mm x 1/2"	26	26	27	15	15	14

P802TDRSR Male Elbow Adaptor



P803DRSR Female Elbow Adaptor



P803WPDRSR Wallplate Elbow Adaptor

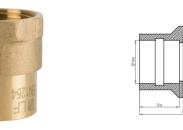
		(↓ ₩P		000 ØGb	
Code	Size	A	. 1	В	С	Ха	Xb	WP	_
P803WPDRSR.2	15mm x 1/2"	2	5	23	15	16	15	16	-

P902TSR Male Straight Adaptor - Taper



Code	Size	Α	В	С	Xa	Xb	Хс
P902TDRSR.14	15mm x 1/2"	28			13	13	
P902TDRSR.12	15mm x 1/4"	32			15	13	
P902TDRSR.18	22mm x 3/4"	30			15	14	
P902TDRSR.19	28mm x 1"	36			18	16	
P902TDRSR.20	35mm x 1 1/4"	38			23	19	
P902TDRSR.21	42mm x 1 1/2"	47			27	19	
P902TDRSR.22	54mm x 2"	56			32	24	

P903DRSR Adaptor Female Straight



Code	Size	Α	В	С	Ха	Xb	Xc
P903DRSR.11	15mm x 3/8"	28			15	13	
P903DRSR.12	15mm x 1/2"	28			15	13	
P903DRSR.18	22mm x 3/4"	33			15	16	
P903DRSR.20	28mm x 1"	40			19	19	
P903DRSR.21	35mm x 1 1/4"	46			23	21	
P903DRSR.22	42mm x 1 1/2"	50			27	21	
P903DRSR.23	54mm x 2"	59			32	26	

SRMUC Straight Male Union Adaptor



Code	Size	Α	В	С	Ха	Xb	Хс
SRMUC.1512	15mm x 1/2"	53			11	15	
SRMUC.2234	22mm x 3/4"	60			15	16	
SRMUC.281	28mm x 1"	67			13	17	
SRMUC.35114	35mm x 1 1/4"	73			13	20	
SRMUC.42112	42mm x 1 1/2"	73			14	21	
SRMUC.542	54mm x 2"	80			16	22	

Capillary Fittings Technical Information

End Feed

General Specification

Flowflex end feed fittings, manufactured in both copper and bronze, are a fast, reliable and economic method of joining BS EN 1057 copper tube.

End feed fittings connect to copper tube through the process of capillary action with solder forming an easy, effective joint between the fitting and the tube. They are lightweight for easy handling and lend themselves well to confined environments due to their compact sizing.

Flowflex operates a quality management system audited by the British Standards Institute as per for the manufacture and supply of fittings and components for use in all applications of the HVAC industry. It is through these internal systems that we have the confidence to guarantee our end feed fittings against manufacturing defects for 25 years, when installed in accordance with our instructions on specified tube materials and applications.

- · Available in sizes from 8mm to 54mm
- Copper fittings manufactured to EN1254-1:1998
- Gunmetal (bronze) fittings manufactured to EN1254-4:1998
- Designed to connected to BS EN 1057 tube
- Marked with the Flowflex logo
- WRAS Approved

Approvals

WRAS

Tube Compatibility

All installers should ensure that the size of the fitting matches the size of the pipe, whilst also ensuring both are in good condition and free from damage and imperfections.

Flowflex fittings are designed to connect to BS EN 1057 tube, for water and gas in sanitary and heating applications.

After all plumbing work has been completed, always ensure continuity checks are conducted by a qualified electrician in accordance with regulations (BS 7671: 20001).



Working Temperatures and Pressures

Typical examples of soldering alloys	Max Temp. (1) °C	Max pressures for nominal diameters (1) (2) BAR			
		From 6mm up to 34mm	Over 34mm up to 54mm		
Lead/tin 50/50% or 60/40%	30	16	16		
	65	10	10		
	110	6	6		
Tin/silver 95/5% Tin/copper Cu 3% Max0.4% min.	30	25	25		
	65	25	16		
Remainder Sn	110	16	10		

- 1. For use in applications outside 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.

Capillary Fittings Technical Information

Connecting

1. Tube Specification

Ensure the tube conforms to the specification, and that the tube outer diameter matches the size of the fitting. Ensure that both the tube and fitting are clean, in good condition and free from any damage or imperfections.

Flowflex end feed fittings are to be installed with copper tubes that conform to BS EN 1057.

2. Cut Your Pipe To Size

You must cut your pipe accurately. Failure to do so could impact on the quality of your jointing. If your pipe is too short, it might not hit the pipe stop. Too long and strain could be introduced into the system.

When cutting, ends of the tube must be cut cleanly across the tube diameter to allow for a secure connection to the fitting.

3. Clean The Socket of the Pipe

Before creating the joint, it is important that the inside of the pipe is smooth and doesn't interfere with the flow. In the case that flow local to the joint is affected, erosion and corrosion may occur and also vibrations.

Use of a stiff wire brush is recommended to reach the desired outcome. Care must be taken with soft tube to ensure the tube is not deformed by applying too much pressure.

4. Clean The Outside of the Pipe

Cleaning the outside diameter of the tube and the inside of the fittings is imperative to ensure that a secure and reliable joint is formed. Failure to remove all oxides and any material where the fittings and tube overlaps can interfere with capillary action and thus will reduce the strength of the soldered joint, resulting in failure.

To the same effect, over zealous cleaning can result in too much material being removed, resulting in a loose fit and failure.

Use of fine steel wool is recommended here to reach the desired outcome.

5. Apply Flux

As soon as possible after cleaning, flux should be applied sparingly to the inside of the fitting and also the outside of the pipe at the point of overlap. This will help the capillary action and induce a stronger joint.

6.Assembly

Insert the tube into the fitting until the pipe reaches base of the pipe stop. A small twist can also be applied to ensure even coverage of the flux. At this point, any excess flux should be removed using a rag.

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Before proceeding to the next step, a uniform space around the circumference of the joint should be sought to allow for good capillary action. Excessive space can lead to cracking of the solder.

7. Heating

When heating, the entire circumference of the fitting should be heated evenly. It is recommended that you preheat the pipe and the fitting before directly heating the joint.

Do not overheat the joint or direct the flame into the face of the fitting cup. Overheating could burn the flux, which will destroy its effectiveness and the solder will not enter the joint properly.

8. Apply Solder

Touch the joint with the solder. If the solder does not melt, remove it and continue heating. If the solder begins to melt, push the solder into the joint whilst continuing to heat the base of the joint.

Solder joints depend on capillary action drawing freeflowing molten solder into the narrow clearance between the fitting and the tube. Molten solder metal is drawn into the joint by capillary action regardless of whether the solder flow is upward, downward or horizontal.

9. Cooling and Cleaning

You should allow the joint to cool naturally. Cooling the joint forcefully could stress the joint.

When cool remove any excess flux and residue with a wet rag.

10. Testing and Commissioning

Systems should always be tested for joint integrity. Whenever possible, completed systems should be flushed to remove debris.

Tube Compatibility

All installers should ensure that the size of the fitting matches the size of the pipe, whilst also ensuring both are in good condition and free from damage and imperfections.

Flowflex fittings are designed to connect to BS EN 1057 tube, for water and gas in sanitary and heating applications.

After all plumbing work has been completed, always ensure continuity checks are conducted by a qualified electrician in accordance with regulations (BS 7671: 20001).

Capillary Fittings Technical Information

Large End Feed

General Specification

Flowflex large end feed fittings, manufactured in both copper and bronze, are a fast, reliable and economic method of joining BS EN 1057 copper tube.

End feed fittings connect to copper tube through the process of capillary action with solder forming an easy, effective joint between the fitting and the tube. They are lightweight for easy handling and lend themselves well to confined environments due to their compact sizing.

Flowflex operates a quality management system audited by the British Standards Institute as per for the manufacture and supply of fittings and components for use in all applications of the HVAC industry. It is through these internal systems that we have the confidence to guarantee our large end feed fittings against manufacturing defects for 25 years, when installed in accordance with our instructions on specified tube materials and applications.

- Available in sizes from 67mm to 159mm
- Copper fittings manufactured to EN1254-1 & EN1254-5
- Gunmetal (bronze) fittings manufactured to EN1254-4:1998
- Designed to connected to BS EN 1057 tube
- Marked with the Flowflex logo

Approvals

APPROVED PRODUCT

Tube Compatibility

All installers should ensure that the size of the fitting matches the size of the pipe, whilst also ensuring both are in good condition and free from damage and imperfections.

Flowflex fittings are designed to connect to BS EN 1057 tube, for water and gas in sanitary and heating applications.

After all plumbing work has been completed, always ensure continuity checks are conducted by a qualified electrician in accordance with regulations (BS 7671: 20001).

Working Temperatures and Pressures

Typical examples of soldering alloys	Max Temp. (1) °C	Max pressures for nominal diameters (1) (2) BAR		
		From 54mm up to 108mm	Over 108mm up to 159mm	
Silver/copper Cadmium-free 55% to 40% Ag	30	16	5	
Silver with cadmium 30% or 40% Ag	65	16	3	
Copper/phosphorus 94/6% or copper/ phosphorus with 2% Silver 92/6/2%	110	10	2	

- 1. For use in applications outside 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.

Connecting

- 1. Ensure the tube conforms to BS EN 1057.
- 2. Select the correct fitting for the size of the tube to be connected.
- 3. Ends of the tube for jointing must be cut cleanly across the tube diameter and be free from contamination, surface damage or defects.
- 4. Clean the outside diameter of the tube and the inside diameter of the socket with wire wool.
- 5. Flux should be applied to the mating surfaces.
- 6. Insert the pipe into the socket and Braze in accordance with the brazing rod manufacturer's instructions.
- 7. After brazing, fittings must be allowed to cool naturally.
- 8. Remove all flux residues with hot water.

Note: 67mm – 159mm copper fittings must be hard soldered using 'silver brazing alloy' rods.

Soft soldering is not permitted.

Capillary Fittings Technical Information

Solder Ring

General Specification

Flowflex solder ring fittings, manufactured in both copper and bronze, are a fast, reliable and economic method of joining BS EN 1057 copper tube.

Solder ring fittings connect to copper tube through the process of capillary action with solder forming an easy, effective joint between the fitting and the tube. They are lightweight for easy handling and lend themselves well to confined environments due to their compact sizing.

Flowflex operates a quality management system audited by the British Standards Institute as per for the manufacture and supply of fittings and components for use in all applications of the HVAC industry. It is through these internal systems that we have the confidence to guarantee our solder ring fittings against manufacturing defects for 25 years, when installed in accordance with our instructions on specified tube materials and applications.

- Available in sizes from 8mm to 54mm
- Copper fittings manufactured to EN1254-1:1998
- Gunmetal (bronze) fittings manufactured to EN1254-4:1998
- Designed to connected to BS EN 1057 tube
- Marked with the Flowflex logo
- KM Lead Free Solder 99.304% Sn
- WRAS Approved

Approvals



Tube Compatibility

All installers should ensure that the size of the fitting matches the size of the pipe, whilst also ensuring both are in good condition and free from damage and imperfections.

Flowflex fittings are designed to connect to BS EN 1057 tube, for water and gas in sanitary and heating applications.

After all plumbing work has been completed, always ensure continuity checks are conducted by a gualified electrician in accordance with regulations (BS 7671: 20001).

Working Temperatures and Pressures

Max Temp. (1) °C	emp. Max pressures for nomina diameters (1) (2) BAR	
	From 6mm up to 34mm	Over 34mm up to 54mm
30	25	25
65	25	16
110	16	10
	(1) ° C 30 65	(1) °C diameters From 6mm up to 34mm 7 30 25 65 25

- 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.

Connecting

1. Tube Specification

Ensure the tube conforms to the specification, and that the tube outer diameter matches the size of the fitting. Ensure that both the tube and fitting are clean, in good condition and free from any damage or imperfections.

Flowflex solder ring fittings are to be installed with copper tubes that conform to BS EN 1057.

2. Cut Your Pipe To Size

You must cut your pipe accurately. Failure to do so could impact on the quality of your jointing. If your pipe is too short, it might not hit the pipe stop. Too long and strain could be introduced into the system.

When cutting, ends of the tube must be cut cleanly across the tube diameter to allow for a secure connection to the fitting.

3. Clean The Socket of the Pipe

Before creating the joint, it is important that the inside of the pipe is smooth and doesn't interfere with the flow. In the case that flow local to the joint is affected, erosion and corrosion may occur and also vibrations.

Use of a stiff wire brush is recommended to reach the desired outcome. Care must be taken with soft tube to ensure the tube is not deformed by applying too much pressure.

Capillary Fittings Technical Information

4. Clean The Outside of the Pipe

Cleaning the outside diameter of the tube and the inside of the fittings is imperative to ensure that a secure and reliable joint is formed. Failure to remove all oxides and any material where the fittings and tube overlaps can interfere with capillary action and thus will reduce the strength of the soldered joint, resulting in failure.

To the same effect, over zealous cleaning can result in too much material being removed, resulting in a loose fit and failure.

Use of fine steel wool is recommended here to reach the desired outcome.

5. Apply Flux

As soon as possible after cleaning, flux should be applied sparingly to the inside of the fitting and also the outside of the pipe at the point of overlap. This will help the capillary action and induce a stronger joint.

6. Assembly

Insert the tube into the fitting until the pipe reaches base of the pipe stop. A small twist can also be applied to ensure even coverage of the flux. At this point, any excess flux should be removed using a rag.

Before proceeding to the next step, a uniform space around the circumference of the joint should be sought to allow for good capillary action. Excessive space can lead to cracking of the solder.

7. Heating

When heating, the entire circumference of the fitting should be heated evenly. It is recommended that you preheat the pipe and the fitting before directly heating the joint.

Do not overheat the joint or direct the flame into the face of the fitting cup. Overheating could burn the flux, which will destroy its effectiveness and the solder will not enter the joint properly.

8. Cooling and Cleaning

You should allow the joint to cool naturally. Cooling the joint forcefully could stress the joint.

When cool remove any excess flux and residue with a wet rag.

9. Testing and Commissioning

Systems should always be tested for joint integrity. Whenever possible, completed systems should be flushed to remove debris.