

Brass Fittings, Nipples, Pipe & Flanges

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Threaded Brass Fittings / Raccords En Cuivre Filetes
Standard 125LBS. / Standard De 125 LBS.

Part No. SB	Description	02 04 1/8" 1/4"	06 3/8"	08 1/2"	12 3/4"	16 1"	20 1 1/4"	24 1 1/2"
235	90° Elbows - Coudes 90°	26.70	26.70	28.80	38.10	61.30	98.90	122.70
235	Reducing - Reducteurs	41.70	41.70	45.10	61.40	107.10	168.60	207.60
254	Street - MxF	35.20	35.20	38.10	52.00	85.10	155.40	169.40
240	Drop - De Fixation	POA	POA	POA				
290	45° Elbows - Coudes 45°	29.00	29.00	31.30	47.30	80.30	127.50	160.10
295	Street MxF	39.50	39.50	40.40	61.20	103.70	159.80	238.00
460	Tees - Tes	30.70	30.70	33.30	47.30	85.10	146.00	164.80
460	Reducing Tees - Tes Reducteurs							
	1 opening - ouverture	52.10	52.10	56.30	56.70	157.10	224.40	302.30
	2 openings - ouverture			158.20	175.80	187.60	263.40	855.10
195	Crosses - Croix	58.30	58.30	78.00	111.10	178.40	302.10	400.10
155	Caps - Capuchons	17.60	17.60	19.40	25.20	42.80	75.40	98.90
165	Couplings - Manchons	22.00	22.00	23.80	33.30	56.70	94.20	122.70
165	Reducing Couplings - Manchons Reducteurs							
	1-2 sizes - dimensions	26.10	26.10	28.30	37.90	62.70	122.70	154.70
	Over 2 sizes - Plus que 2 dimensions			37.90	52.00	85.00	136.60	169.50
657	Unions	69.60	69.60	75.20	103.70	136.60	197.80	235.40
415	Closed Return Bend			102.20		208.30		
418	Open Return Bend			123.00		249.80	293.90	
396	Plugs Square Head - Bouchons Tête Carrée							
	Cored - Evidé	22.00	22.00	19.80	23.80	37.90	51.50	66.30
399	Solid - Plein	22.00	22.00	23.80	31.30	59.80	131.70	139.30
397	Plugs Countersunk -Tête Fraisée	26.80	26.80	28.90	42.80	71.80	166.60	175.30
398	Plugs Hex Head - Tête Hex	23.40	23.40	30.20	33.40			
375	Locknuts - Contre Ecrous	17.60	17.60	19.00	23.80	33.20	57.50	74.60
140	Face Bushings - Reducteurs MxF	34.00	34.00	53.70	75.50	P.O.A	P.O.A	P.O.A
144	Hexagon Bushings - Reducteurs							
	Red. 1-2 sizes dimensions	17.60	17.60	19.00	23.80	33.20	56.80	80.30
	Red. over 2 sizes - plus 2 dimen.			23.80	33.20	47.50	80.30	103.70
	Red. over 3 sizes - plus 3 dimen.				34.50	49.30	83.60	108.00
840	Y Laterals - Uen Branches	P.O.A	P.O.A	P.O.A	P.O.A	P.O.A	P.O.A	P.O.A
355	Floor Flanges - Brides	P.O.A	P.O.A	82.50	112.50	183.50	209.80	322.40
358	Tank Flanges	P.O.A	67.30	P.O.A	104.80	P.O.A	223.50	312.50
335	Extension Pieces - Pieces d'Extension	P.O.A	28.70	66.70	P.O.A	P.O.A	P.O.A	P.O.A

For 3/8" & 1/2" Chrome Plated, add (x4) – all other sizes, add (x6) Pour 3/8" & 1/2" Chromé, ajouter (x4), toutes autre grandeurs, ajouter (x6)
 For Polished Brass, add (x7) Pour Laiton Poli, ajouter (x7)

Fittings with Canadian Registration numbers maybe subject to a higher price.

Threaded Brass Fittings / Raccords En Cuivre Filetes

Standard 125 LBS. Standard De 125 LBS.

Part No. SB	Description	32 2"	40 2 1/2"	48 3"	64 4"	80 5"	96 6"
235	90° Elbows - Coudes 90°	197.80	525.30	964.90	1958.20		
235	Reducing - Reducteurs	369.70	757.20	P.O.A.			
254	Street - MxF	287.30	598.50	1237.70			
290	45° Elbows - Coudes 45°	260.00	570.00	1054.50			
295	Street MxF	371.50					
460	Tees - Tes	272.90	709.40	1315.00	3265.20		
460	Reducing Tees - Tes Reducteurs						
	1 opening - ouverture	505.80	1315.00	2406.10			
	2 openings - ouverture	1314.00					
195	Crosses - Croix	820.20					
155	Caps - Capuchons	169.30	359.40	663.70			
165	Couplings - Manchons	202.40	381.00	631.20	1302.90		
165	Reducing Couplings - Manchons Reducteurs						
	1-2 sizes - dimensions	240.40	468.30	822.60	1990.80		
	Over 2 sizes - plus que 2 dimensions	254.10	525.30				
657	Unions	362.30	1079.00	2003.00	4461.90		
396	Plugs Square Head - Bouchons Tête Carrée						
	Cored - Evidé	108.30	212.50	403.30	757.50		
399	Solid - Plein	212.00					
397	Plugs Countersunk - Tete Fraisée	P.O.A.					
375	Locknuts - Contre Ecrous	103.70					
140	Face Bushings - Reducteurs MxF						
144	Hexagon Bushings - Reducteurs						
	Red. 1-2 sizes - dimensions	101.40	289.00	509.10	1115.70		
	Red. over 2 sizes - plus de 2 dimen.	150.90	348.70	610.70	1530.80		
	Red. over 3 sizes - plus de 3 dims.	156.90	363.30	637.10	1597.60		
840	Y Laterals - Yen Branches	3793.30					
355	Floor Flanges - Brides						
358	Tank Flanges	420.20					
335	Extension Pieces - Pieces d'Extension						

For Chrome Plated, add (x6)

For Polished Brass, add (x7)

Pour Chromé pour ajouter (x6)

Pour Laiton Poli, ajouter (x7)

Threaded Brass Fittings / Raccords En Cuivre Filetes
Extra Heavy 250 LBS. / Extra Pesant De 250 LBS.

Part No. EB	Description	04 06 1/4", 3/8"	08 1/2"	12 3/4"	16 1"	20 1 1/4"	24 1 1/2"	32 2"	40 2 1/2"	48 3"
235	90° Elbows2 Coudes 90°	57.00	85.60	115.55	171.70	307.85	457.10	761.20	1240.35	1789.80
254	90° Street Elbows Coudes 90° MxF	163.05	163.05	348.65	408.60	512.65	796.05	915.75		
290	45° Elbows - Coudes 45°		73.45	121.70	213.30	322.85	793.80			
460	Tees - Tes	91.65	103.10	167.90	229.05	430.05	609.05	884.80	1550.35	2057.65
165	Couplings - Manchon	72.10	86.10	127.15	193.05	279.10	354.00	563.50	778.80	1125.25
657	Unions - Unions	137.40	137.40	194.70	263.45	366.45	480.80	759.65	1227.95	2101.95
155	Caps - Capuchons	60.35	100.85	127.05	192.85	276.65	343.15	563.15	778.80	1373.25
195	Crosses - Croix	80.65	167.00	256.45	402.45	568.80	882.80	1420.65		
668	Union Elbows FxF Coudes Union FxF	320.75	366.65	499.80	842.20	1203.65	1490.75	2277.05		

Cast Bronze Threaded Fittings
(125lb) (250lb)

Standard Specifications

Materials: ASTM B 584-93b Copper Alloy UNS. No. 83800

Dimensions: ANSI B 16.15

Threads: ANSI B2.1 OR BS 21

Imperial to Metric Conversions (Nominal)

INCH	mm
1/8	4
1/4	8
3/8	10
1/2	15
3/4	20

INCH	mm
1	25
1 1/4	32
1 1/2	40
2	50
2 1/2	65

INCH	mm
3	80
4	100
5	125
6	150
8	200

Threaded Brass Nipples / Mamelons en Cuivre Filetes

BN	Pipe Size	Length of Close	000 CLOSE	015 1 1/2"	020 2"	025 2 1/2"	030 3"	035 3 1/2"	040 4"	045 4 1/2"	050 5"	055 5 1/2"	060 6"
02	1/8"	3/4"	12.80	14.70	16.10	18.30	19.80	21.60	23.70	25.40	27.20	29.10	31.30
04	1/4"	7/8"	14.70	16.70	19.00	21.60	23.90	27.20	30.20	34.10	36.80	39.50	42.50
06	3/8"	1"	16.10	17.80	21.30	25.20	28.30	33.30	36.80	41.40	45.10	48.70	52.50
08	1/2"	1 1/8"	19.00	22.30	27.20	32.20	37.10	44.00	49.40	54.30	59.30	64.90	69.90
12	3/4"	1 3/8"	27.70	29.10	35.20	41.40	47.00	53.90	60.90	64.20	74.10	82.80	90.10
16	1"	1 1/2"	42.40		50.60	60.00	67.80	80.10	89.50	98.90	107.40	118.70	128.30
20	1 1/4"	1 5/8"	62.40		71.10	85.60	100.00	117.30	131.70	146.20	160.50	175.40	189.90
24	1 1/2"	1 3/4"	77.40		84.00	102.00	115.70	135.90	153.00	170.70	187.80	204.40	221.10
32	2"	2"	118.70			131.10	149.30	174.70	196.40	217.60	237.30	261.60	283.20
40	2 1/2"	2 1/2"	317.10				336.90	386.30	426.20	450.90	490.20	598.30	567.80
48	3"	2 5/8"	447.00				467.40	534.00	594.00	652.80	711.60	770.50	829.40
64	4"	2 7/8"	663.60				679.70	791.90	877.50	968.50	1059.50	1145.10	1236.10
80	5"	3"	Price on application / Prix sur demande										
96	6"	3 1/8"	Price on application / Prix sur demande										

KN For Chrome Plated Nipples / Mamelons Chromes - add/ajouter for 3/8" and 1/2" (x3), all other sizes (x5)

EN For Extra Heavy Nipples (Sch. 80) Mamelons Extra-Pesant (Sch.80) add/ajouter (x3)

PN For Polished Brass Nipples / Mamelons Laiton Poli - add/ajouter (x2.5)

All other lengths - Price on Application / Tous les autres longuers - Prix sur demande

Aluminum Nipples - Price on Application / Mamelons en Aluminium - Prix sur Demande

Nipple Weight Chart

Approximate Weight per 100 pieces. Standard Brass Nipples

Dia.	Length of Close	Close	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	5 1/2"	6"
1/8"	3/4"	2#	3#	3#	4#	6#	7#	8#	9#	10#	11#	12#
1/4"	7/8"	3#	5#	7#	8#	10#	11#	14#	15#	16#	18#	21#
3/8"	1"	4#	7#	9#	11#	13#	15#	18#	20#	21#	25#	28#
1/2"	1 1/8"	8#	10#	13#	16#	19#	23#	27#	31#	34#	38#	45#
3/4"	1 3/8"	10#	15#	18#	22#	26#	30#	37#	41#	45#	50#	58#
1"	1 1/2"	20#		27#	33#	39#	45#	55#	62#	68#	74#	86#
1 1/4"	1 5/8"	30#		37#	45#	52#	61#	73#	83#	91#	101#	118#
1 1/2"	1 3/4"	37#		45#	53#	63#	72#	88#	99#	110#	120#	140#
2"	2"	58#			71#	84#	97#	119#	132#	147#	160#	190#
2 1/2"	2 1/2"	90#				110#	140#	165#	190#	210#	230#	260#
3"	2 5/8"	140#				160#	195#	230#	270#	310#	345#	380#
3 1/2"	2 3/4"	192#				210#	253#	316#	350#	382#	448#	469#
4"	2 7/8"	220#				240#	290#	362#	400#	437#	512#	537#

Brass Hex. Nipples / Mamelons en Cuivre Hex.

	02 1/8"	04 1/4"	06 3/8"	08 1/2"	12 3/4"	16 1"
HN	3.20	5.10	7.60	13.50	32.40	73.50

Brass Companion Flanges / Brides De Compagnon En Cuivre Standard Brass Threaded - 150# W.S.P.

SB 342	Nom. Pipe Size	List Price Each	Wgt. Per 100	Flange O.D.	Bolt Circle Dia.	Height	Flange Thick-ness	Bolt Size	No. of Bolt Holes	
08	1/2"	374.70	95	3 1/2"	2 3/8"	1 9/32"	5/16"	5/8"	4	
12	3/4"	389.70	124	3 7/8"	2 3/4"	5/8"	1 1/32"	5/8"	4	
16	1"	445.80	168	4 1/4"	3 1/8"	1 1/16"	3/8"	5/8"	4	
20	1 1/4"	520.70	224	4 5/8"	3 1/2"	1 3/16"	13/32"	5/8"	4	
24	1 1/2"	644.30	289	5"	3 7/8"	7/8"	7/16"	5/8"	4	
32	2"	809.20	422	6"	4 3/4"	1"	1/2"	3/4"	4	
40	2 1/2"	1311.00	653	7"	5 1/2"	1 1/8"	9/16"	3/4"	4	
48	3"	1943.90	772	7 1/2"	6"	1 3/16"	5/8"	3/4"	4	
64	4"	2781.20	1227	9"	7 1/2"	1 5/16"	1 1/16"	3/4"	8	
96	6"	4340.80	1801	11"	9 1/2"	1 9/16"	1 3/16"	7/8"	8	
97	8"	P.O.A.		Prices on application - Prix sur Demande						

Dimensions conform to ASA B16.24-1962

Chemical and Physical Properties to ATSM B62

Brass Companion Flanges / Brides De Compagnon En Cuivre Extra Heavy Brass Threaded - 300# W.S.P.

EB 345	Nom. Pipe Size	List Price Each	Wgt. Per 100	Flange O.D.	Bolt Circle Dia.	Height	Flange Thick-ness	Bolt Size	No. of Bolt Holes	
12	3/4"	P.O.A.	300	4 5/8"	3 1/4"	5/8"	1 7/32"	3/4"	4	
16	1"	P.O.A.	303	4 7/8"	3 1/2"	1 1/16"	1 9/32"	3/4"	4	
20	1 1/4"	P.O.A.	400	5 1/4"	3 7/8"	1 3/16"	5/8"	3/4"	4	
24	1 1/2"	P.O.A.	575	6 1/8"	4 1/2"	7/8"	1 1/16"	7/8"	4	
32	2"	P.O.A.	645	6 1/2"	5"	1"	3/4"	3/4"	8	
40	2 1/2"	P.O.A.	915	7 1/2"	5 7/8"	1 1/8"	1 3/16"	7/8"	8	
48	3"	P.O.A.	1100	8 1/4"	6 5/8"	1 3/16"	2 9/32"	7/8"	8	
56	3 1/2"	P.O.A.	Prices on application - Prix sur Demande							
64	4"	P.O.A.	01850	10"	7 7/8"	1 5/16"	1 1/16"	7/8"	8	
80	5"	P.O.A.	2425	11"	9 1/4"	1 7/16"	1 1/8"	7/8"	8	
96	6"	P.O.A.	3425	12 1/2"	10 5/8"	1 9/16"	1 3/16"	7/8"	12	
97	8"	P.O.A.	Prices on application - Prix sur Demande							

Dimensions conform to ASA B16.24-1962

Chemical and Physical Properties to ATSM B62

Brass Companion Flanges / Brides De Compagnon En Cuivre Standard Copper Solder - 125# W.S.P.

SP-PC 342	Nom. Pipe Size	Tube O.D.	List. Price Each	Wgt. Per 100	Flange O.D.	Bolt Circle Dia.	Flange Thick-ness	Bolt Hole Diam.	No. of Bolt Holes
08	1/2"	.625	163.90	70	3 1/2"	2 3/8"	5/16"	5/8"	4
12	3/4"	.875	206.80	105	3 7/8"	2 3/4"	11/32"	5/8"	4
16	1"	1.120	220.00	123	4 1/4"	3 1/8"	3/8"	5/8"	4
20	1 1/4"	1.375	251.90	160	4 5/8"	3 1/2"	13/32"	5/8"	4
24	1 1/2"	1.625	404.80	189	5"	3 7/8"	7/16"	5/8"	4
32	2"	2.125	599.50	337	6"	4 3/4"	1/2"	3/4"	4
40	2 1/2"	2.625	753.50	497	7"	5 1/2"	9/16"	3/4"	4
48	3"	3.125	753.50	617	7 1/2"	6"	5/8"	3/4"	4
64	4"	4.125	1094.50	800	9"	7 1/2"	11/16"	3/4"	8
80	5"	5.125	1787.50	1264	10"	8 1/2"	3/4"	7/8"	8
96	6"	6.125	1953.60	1426	11"	9 1/2"	13/16"	7/8"	8

Dimensions conform to ASA B16.24-1962

Chemical and Physical Properties to ATSM B62

Brass Companion Flanges / Brides De Compagnon En Cuivre Standard Copper Solder - 150# W.S.P.

PC 342	Nom. Pipe Size	List. Price Each	Wgt. Per 100	Flange O.D.	Bolt Circle Dia.	Flange Thick-ness	Bolt Hole Diam.	No. of Bolt Holes
08	1/2"	225.50	88	3 1/2"	2 3/8"	5/16"	5/8"	4
12	3/4"	236.50	115	3 7/8"	2 3/4"	11/32"	5/8"	4
16	1"	302.50	160	4 1/4"	3 1/8"	3/8"	5/8"	4
20	1 1/4"	385.00	195	4 5/8"	3 1/2"	13/32"	5/8"	4
24	1 1/2"	462.00	225	5"	3 7/8"	7/16"	5/8"	4
32	2"	825.00	422	6"	4 3/4"	1/2"	3/4"	4
40	2 1/2"	1045.00	625	7"	5 1/2"	9/16"	3/4"	4
48	3"	1045.00	788	7 1/2"	6"	5/8"	3/4"	4
64	4"	1595.00	1200	9"	7 1/2"	11/16"	3/4"	8
80	5"	3300.00	1695	10"	8 1/2"	3/4"	7/8"	8
96	6"	3410.00	2090	11"	9 1/2"	13/16"	7/8"	8

Dimensions conform to ASA B16.24-1962

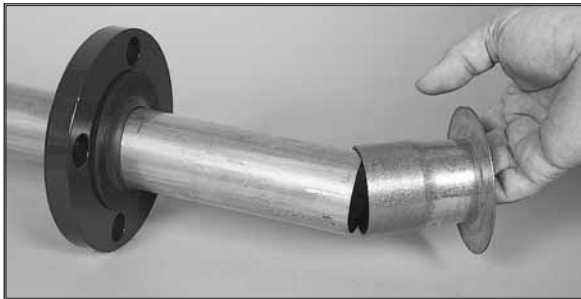
Chemical and Physical Properties to ATSM B62

Brass Blind Companion Flanges available upon request.

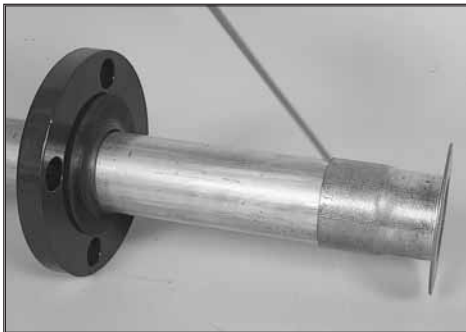
The CTS Copper Tube Flange Adapter Kit

The CTS Flange Adapter kit may be used in place of the expensive and difficult to install bronze flanges whenever a contractor is working with copper tubing. This new product is of special interest to professional mechanical engineers and plumbing contractors. The reason is quite simple. It costs less, is easier to install and saves time on the job site.

3 Easy Steps to Install



1. Slide flange over pipe and attach CTS Flange Adapter



2. Braze or solder the CTS Adapter



3. Slide the flange back over adapter, align bolt holes, and tighten

Description

The kit includes a flange that has a fusion bonded polyester coating with an attached neoprene insulator and a copper tube flange.

- Huge savings in Gas and Solder
- Easy alignment to existing piping
- Installation time savings of up to 80%
- Flange has a Fusion Bonded Polyester Coating
- Registered Design - UL Classified to ASME B16.22-95
- 100% Electrolysis Protection - No Bolt Insulators required
- May be used on any application of liquid or gas as long as copper tube is used and the temperature is within the set limits

S.P.S. Red Brass Pipe
Standard Sch. 40 - BP
Extra Heavy Sch. 80 - EP

	Pipe Size	O.D. Inches	Wall Inches	Weight Per 12' Length	Sch. 40 (BP) Price Per Foot	Wall Inches	Weight Per 12' Length	Sch. 80 (EP) Price Per Foot
02	1/8"	.405	.062	3.03	14.40	.100	4.35	32.60
04	1/4"	.540	.082	5.40	24.10	.123	7.33	45.25
06	3/8"	.675	.090	7.56	31.00	.127	9.94	57.05
08	1/2"	.840	.107	11.25	42.60	.149	14.76	78.55
12	3/4"	1.050	.114	15.24	56.90	.157	20.04	102.10
16	1"	1.315	.126	21.48	78.80	.182	29.52	145.10
20	1 1/4"	1.660	.146	31.56	118.60	.194	40.68	203.25
24	1 1/2"	1.900	.150	37.56	141.70	.203	49.20	244.15
32	2"	2.375	.156	49.68	186.40	.221	68.04	329.10
40	2 1/2"	2.875	.187	72.00	274.30	.280	103.92	502.50
48	3"	3.500	.219	102.72	390.10	.304	138.92	687.55
64	4"	4.500	.250	151.92	676.10	.341	202.68	1273.35
96	6"	6.625	.250	228.00		.437	386.62	
97	8"	8.625	.312	371.40		.500	580.80	

For Cut Lengths over 24", add 30%.

Threading Charges - 1/8" to 1", add 30%. Over 1", add 20%.

Mirror Finish Chrome Plated Brass - KP
6' Lengths - Plain Ends

	06	08	12	16	20	24	32
Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Price	454.75	624.85	834.80	1155.45	1611.60	2080.30	2413.40

For longer lengths in Chrome Plated Brass - Price on Application.
 For Polished or Lacquered Brass - Price on Application.

Pour longueurs plus longues en Laiton Chromé - Prix Sure Demande.
 Pour Laiton Poli ou Batture - Prix Sur Demande.

S.P.S. Copper Pipe
Standard Sch. 40 - CP
Extra Heavy Sch. 80 - EC

	Pipe Size	O.D. Inches	Wall Inches	Weight Per 12' Length	Sch. 40 (CP) Price Per Foot	Wall Inches	Weight Per 12' Length	Sch. 80 (EC) Price Per Foot
02	1/8"	.405	.062	3.10	P.O.A	.100	4.45	P.O.A
04	1/4"	.540	.082	5.52	P.O.A	.123	7.50	P.O.A
06	3/8"	.675	.090	7.71	P.O.A	.127	10.15	P.O.A
08	1/2"	.840	.107	11.48	P.O.A	.149	15.00	P.O.A
12	3/4"	1.050	.114	15.60	P.O.A	.157	20.50	P.O.A
16	1"	1.315	.126	21.96	P.O.A	.182	30.10	P.O.A
20	1 1/4"	1.660	.146	32.28	P.O.A	.194	41.50	P.O.A
24	1 1/2"	1.900	.150	38.40	P.O.A	.203	50.30	P.O.A
32	2"	2.375	.156	50.76	P.O.A	.221	69.60	P.O.A
40	2 1/2"	2.875	.187	73.68	P.O.A	.280	106.20	P.O.A
48	3"	3.500	.219	105.00	P.O.A	.304	141.60	P.O.A
56	3 1/2"	4.000	.250	136.92	P.O.A	.321	172.80	P.O.A
64	4"	4.500	.250	155.28	P.O.A	.341	207.60	P.O.A
80	5"	5.563	.250	194.52	P.O.A	.375	284.40	P.O.A
96	6"	6.625	.250	232.92	P.O.A	.437	394.80	P.O.A
97	8"	8.625	.312	379.56	P.O.A	.500	594.00	P.O.A

For Cut Lengths over 24", add 30%.

Threading Charges - 1/8" to 1", add 30%. Over 1, add 20%.

Brass, Copper & Stainless Steel Tubes, Sheets & Rods available - Price on Application.

Laiton, Cuivre & Acier Inoxydable Tubes, Feuilles & Barres Disponible - Prix on Demande.

NOTE: Prices for Sch. 80 Extra Heavy Copper Pipe subject to material availability.

Copper Water Tube - Large Sizes

	WT	80 5" 20 Foot Lengths	Price Per Foot	96 6" 20 Foot Lengths	Price Per Foot	97 8" 20 Foot Lengths	Price Per Foot
K	O.D.	5.125		6.125		8.125	
	Wall	.160	P.O.A.	.192	P.O.A.	.271	P.O.A.
	Lbs/Foot	9.67 Lbs		14 Lbs		26 Lbs	
L	O.D.	5.125		6.125		8.125	
	Wall	.125	P.O.A.	.140	P.O.A.	.200	P.O.A.
	Lbs/Foot	7.61 Lbs		10.25 Lbs		19.5 Lbs	
M	O.D.	5.125		6.125		8.125	
	Wall	.109	P.O.A.	.122	P.O.A.	.170	P.O.A.
	Lbs/Foot	6.67 Lbs		8.92 Lbs		16.5 Lbs	
DWV	O.D.	5.125		6.125		8.125	
	Wall	.072	P.O.A.	.083	P.O.A.	.109	P.O.A.
	Lbs/Foot	4.45 Lbs		6 Lbs		11 Lbs	

F.O.B Toronto

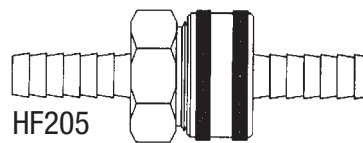
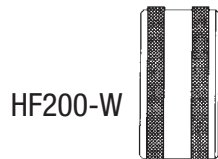
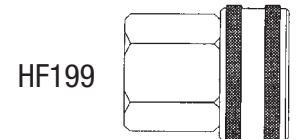
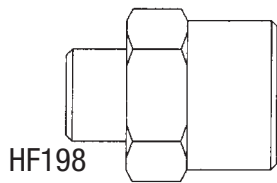
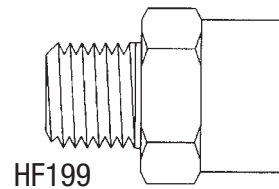
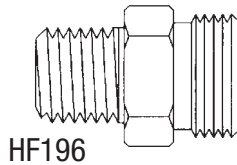
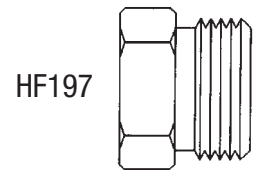
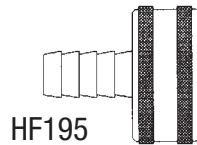
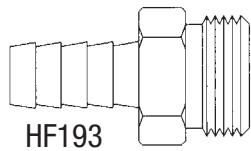
Inquiries over 2,000 lbs. P.O.A.

Brass Hose Fittings

Connector - Hose Barb - Male Hose Thread		
HF193-06	3/8"	9.80
HF193-08	1/2"	9.20
HF193-10	5/8"	9.50
HF193-12	3/4"	9.70
HF193-16	1"	22.20
Coupling - Male Hose to Male Pipe		
HF196-06	3/4" x 3/8"	10.80
HF196-08	3/4" x 1/2"	7.10
HF196-12	3/4" x 3/4"	7.30
HF196-1216	3/4" x 1"	31.20
HF196-16	1" x 1"	31.20
HF196-24	1 1/2" x 1 1/2"	131.30
Coupling - Female Hose to Female Pipe		
HF198-08	1/2"	10.10
HF198-12	3/4"	9.70
Cap Nut		
Stock No. 200-W Nut Only	HF200-W	4.80
200-WC with Chain	HF200-WCH (with chain)	16.90

Larger Size Hose Fittings are available - price on application

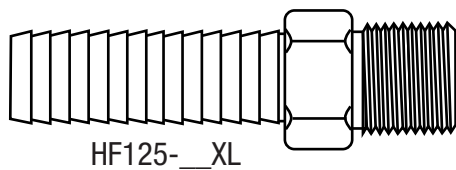
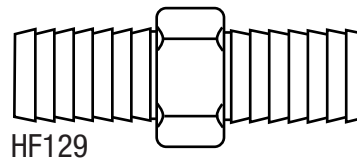
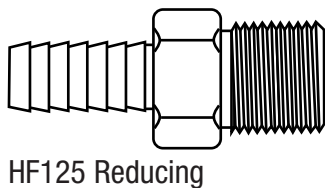
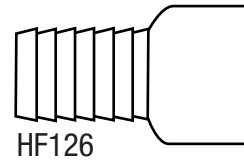
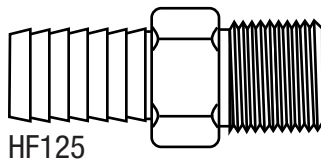
Swivel Connector - Hose Barb to Female Hose		
HF195-06	3/8"	8.70
HF195-08	1/2"	6.90
HF195-10	5/8"	6.90
HF195-12	3/4"	7.40
HF195-16	1"	27.20
Coupling - Male Hose to Female Pipe		
HF197-08	1/2"	5.40
HF197-12	3/4"	7.20
Coupling - Female Hose to Male Pipe		
HF199-08	1/2"	6.20
HF199-12	3/4"	10.70
Swivel Coupling - Female Hose to Female Pipe		
HF199-08S	1/2"	10.50
HF199-12S	3/4"	11.40
Brass Hose Couplings Complete * (193 + 195)		
HF205-06	3/8"	20.20
HF205-08	1/2"	17.90
HF205-12	3/4"	18.40
HF205-16	1"	49.40
Rubber Hose Washers		
HF204-W	per hundred	38.90



Brass Insert Fittings & Tank Tees

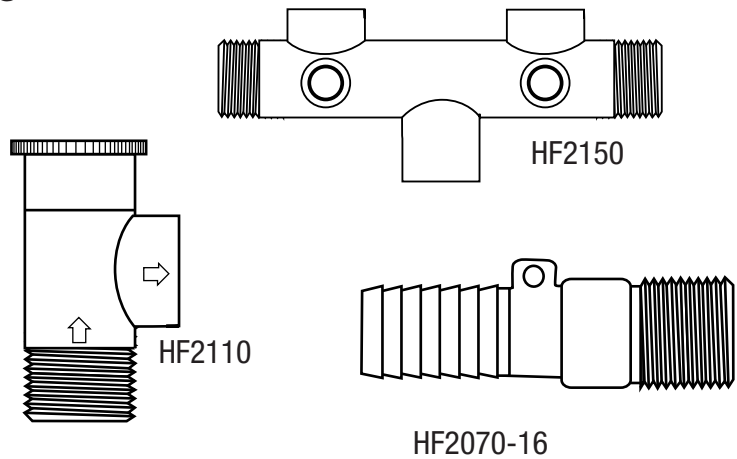
Male Insert Adapter		
HF125-12	3/4"	7.90
HF125-16	1"	13.70
HF125-20	1 1/4"	17.00
HF125-24	1 1/2"	22.00
HF125-32	2"	34.40
Male Reducing Adapter		
HF125-1216	3/4" MIP x 1 1/4" Insert	10.90
HF125-1620	1" MIP x 1 1/4" Insert	16.70
HF125-2016	1 1/4" MIP x 1" Insert	16.60
Male Long Shank Adapter		
HF125-16XL	1"	18.60
HF125-20XL	1 1/4"	25.50
HF125-2016XL	1 1/4" MIP x 1" Insert	24.30

Female Insert Adapter		
HF126-12	3/4"	10.30
HF126-16	1"	16.30
HF126-20	1 1/4"	19.50
HF126-24	1 1/2"	27.80
HF126-32	2"	41.10
Insert Coupling		
HF129-12	3/4"	8.10
HF129-16	1"	14.20
HF129-20	1 1/4"	19.80
HF129-24	1 1/2"	19.30
HF129-32	2"	28.90
Union Tank Tee		
HF2172-16	1" x 5 1/2"	41.20
HF2173-16	1" x 11"	P.O.A.



Brass insert Fittings & Tank Tees

Brass Tank Tee & Adapter		
HF2150-16	1"	24.20
HF2150-20	1 1/4"	34.00
Male Lug Adapter		
HF2070-16	1"	18.00
HF2070-20	1 1/4"	22.90
Brass Relief Valve		
HF2110-0808	1/2" MIP x 1/2" FIP	15.60
HF2110-1208	3/4" NIP x 1/2" FIP	15.10



Also Available in Stainless Steel

Di-Electric Unions

Insulating Union Parts

Buna-N-Gasket For Use With					
CS 22 32 33	SS 22 32	SB 22 32 33	CMS 22 32 33	CA-G-1	1.60
SS-33, SB-33				CA-G-2	3.50
CS-43, CS-44				CA-G-.3	4.40
CS-55				CA-G-4	5.40
SS-44, SB-44				CA-G-5	5.80
CS-66, SS-55, SB-55				CA-G-6	7.20
CS-77				CA-G-7	8.40
SS-66, SB-66				CA-G-8	9.60
SS-77, SB-77				CA-G-9	12.60
5/8" Bolt Insulators				SP-CA-999	25.60

Other Parts - Price on Application

Import Di-Electric Unions

Copper From Steel (F.I.P.)		
IM-CS-22	1/2"	14.30
IM-CS-32	1/2" x 3/4"	15.70
IM-CS-33	3/4"	15.70
IM-CS-44	1"	39.00
IM-CS-55	1 1/4"	43.60
IM-CS-66	1 1/2"	70.00
IM-CS-77	2"	92.90

Steel From Steel (F.I.P.)		
IM-SS-22	1/2"	19.40
IM-SS-33	3/4"	21.20
IM-SS-44	1"	50.70
IM-SS-55	1 1/4"	56.60
IM-SS-66	1 1/2"	91.00
IM-SS-77	2"	120.80

Di-Electric Flanged Unions (Steel From Steel)		
CA T-8	2 1/2"	P.O.A.
CA T-9	3"	P.O.A.
CA T-10	4"	P.O.A.

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