

CONSTRUCTION

- Three piece unit: body, nut and sleeve
- Straights and shapes manufactured from CA360, CA345 or CA377 brass

ADVANTAGES

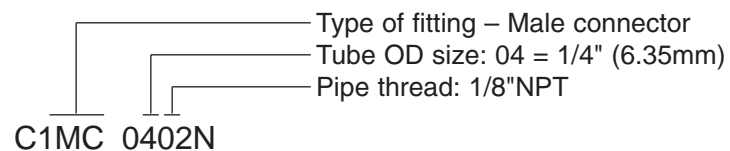
- No flaring, soldering or other special tubing preparation required.
- Low cost
- Wide range of styles and sizes
- Easy assembly

APPLICATION

- Compatible with copper, brass, aluminum and thermoplastic tubing.
(Thermoplastic tubing requires the use of a brass insert for support.)
- Low pressure air, oil and water up to a maximum pressure of 400 psi.
- Fair vibration resistance. The long nut can be used for greater vibration application.

ORDERING INFORMATION

- Fitting is supplied as an assembly. If the body only is desired, use the suffix "BO".
- Nomenclature example:

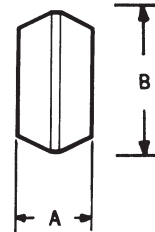


NOTES

- Non-stock items and special parts are available on a quotation basis.
 - Configurations and dimensions are subject to change without notice.
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C1S SLEEVE (OD TUBE 02,03,04,05,06,07,H08,H10,12,14) REF SAE 060115

PART NUMBER	O.D. TUBE	A	B
C1S02	1/8" (3.18mm)	0.19"	0.19"
C1S03	3/16"(4.76mm)	0.22"	0.27"
C1S04	1/4"(6.35mm)	0.25"	0.27"
C1S05	5/16"(7.94mm)	0.25"	0.34"
C1S06	3/8"(9.52mm)	0.25"	0.41"
C1S07	7/16"(11.11mm)	0.31"	0.54"
C1SH08	1/2"(12.7mm)	0.38"	0.60"
C1SH10	5/8"(15.93mm)	0.38"	0.72"
C1S12	3/4"(19.05mm)	0.44"	0.88"
C1S14	7/8"(22.23mm)	0.41"	1.00"



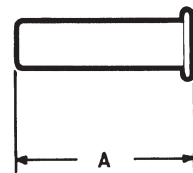
C1AP DELRIN SLEEVE (OD TUBE 04,05,06,08,10)

PART NUMBER	O.D. TUBE	A
C1SP04	1/4"(6.35mm)	0.19"
C1SP05	5/16"(mm)	0.19"
C1SP06	3/8"(9.52mm)	0.19"
C1SP08	1/2"(12.7mm)	0.22"
C1SP10	5/8"(15.93mm)	0.22"



C1STIM BRASS INSERT (OD TUBE 04,05,06,08,10) FOR USE WITH SOFT TUBING

PART NUMBER	O.D. TUBE	A
C1STIM04	1/4"(6.35mm)	0.65"
C1STIM05	5/16"(mm)	0.60"
C1STIM06	3/8"(9.52mm)	0.64"
C1STIM08	1/2"(12.7mm)	0.72"
C1STIM10	5/8"(15.93mm)	0.62"



C1N NUT (OD TUBE 02,03,04,05,06,07,H08,H10,12,14) REF SAE060110

PART NUMBER	O.D. TUBE	A	HEX
C1N02	1/8" (3.18mm)	0.38"	3/8"
C1N03	3/16"(4.76mm)	0.41"	7/16"
C1N04	1/4"(6.35mm)	0.44"	1/2"
C1N05	5/16"(mm)	0.44"	9/16"
C1N06	3/8"(9.52mm)	0.47"	5/8"
C1N07	7/16"(11.11mm)	0.50"	11/16"
C1NH08	1/2"(12.7mm)	0.62"	13/16"
C1NH10	5/8"(15.93mm)	0.62"	15/16"
C1N12	3/4"(19.05mm)	0.68"	1-1/8"
C1N14	7/8"(22.23mm)	0.62"	1-1/4"



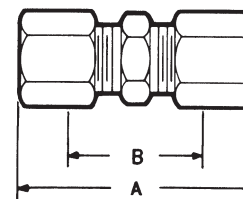
C15N NUT, LONG (OD TUBE 02,03,04,05,06,07,H08,H10,12,14) REF SAE 060111

PART NUMBER	O.D. TUBE	A	B
C1NL02	1/8" (3.18mm)	0.50"	3/8"
C1NL03	3/16"()	0.44"	7/16"
C1NL04	1/4"(6.35mm)	0.75"	1/2"
C1NL05	5/16"(mm)	0.84"	9/16"
C1NL06	3/8"(9.52mm)	0.97"	5/8"
C1NL08	1/2"(12.7mm)	1.06"	13/16"
C1NL10	5/8"(15.93mm)	1.19"	15/16"
C1NL12	3/4"(19.05mm)	1.38"	1-1/8"



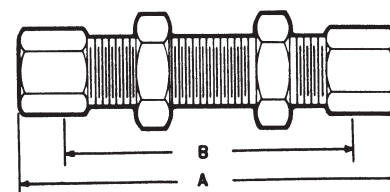
C1U UNION (OD TUBE 02,03,04,05,06,07,H08,H10,12,14) REF SAE 060101BA

PART NUMBER	O.D. TUBE	A	B	HEX
C1U02	1/8"	1.06"	0.66"	5/16"
C1U03	3/16"	1.23"	0.75"	3/8"
C1RU0402	1/4" X 1/8"	1.30"	0.80"	7/16"
C1RU0403	1/4"X3/16"	1.05"	0.75"	7/16"
C1U04	1/4"	1.21"	0.81"	7/16"
C1RU0504	5/16"X1/4"	1.31"	0.81"	1/2"
C1U05	5/16"	1.38"	0.88"	1/2"
C1RU0604	3/8"X1/4"	1.46"	0.91"	9/16"
C1RU0605	3/8"X5/16"	1.46"	0.91"	9/16"
C1U06	3/8"	1.54"	0.97"	9/16"
C1U07	7/16"	1.70"	1.04"	5/8"
C1RUH0806	1/2"X3/8"	1.82"	1.03"	11/16"
C1UH08	1/2"	1.90"	1.06"	11/16"
C1RUH1006	5/8"X3/8"	1.88"	1.03"	13/16"
C1RUH1008	5/8"X1/2"	1.90"	1.09"	13/16"
C1UH10	5/8"	1.90"	1.09"	13/16"
C1U12	3/4"	2.30"	1.44"	1"
C1U14	7/8"	2.03"	1.19"	1-1/8"



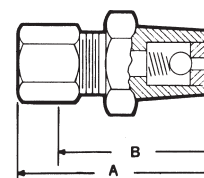
C1BU BULKHEAD UNION (OD TUBE 04,06)

PART NUMBER	O.D. TUBE	A	B	HEX
C1BU04	1/4"	2.23"	1.75"	9/16"
C1BU06	3/8"	2.40"	1.80"	5/8"



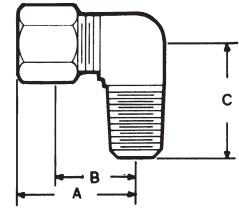
C1MCCV CHECK CONNECTOR (OD TUBE 02,04,06)

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	HEX
C1MCCV0202N	1/8"	1/8"	1.10"	0.78"	7/16"
C1MCCV0402N	1/4"	1/8"	1.12"	0.88"	9/16"
C1MCCV0604N	3/8"	1/4"	1.31"	1.03"	9/16"



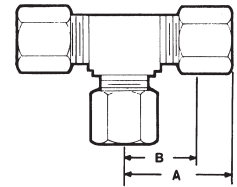
C1MECV CHECK ELBOW (OD TUBE 02)

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	C
C1MECV0202N	1/8"	1/8"	0.79"	0.59"	0.72"



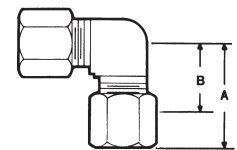
C1UT UNION TEE (OD TUBE 02,03,04,05,06,07,H08,H10,12,14) REF SAE 060401

PART NUMBER	O.D. TUBE	A	B
C1UT02	1/8"	0.82"	0.62"
C1UT03	3/16"	0.84"	0.60"
C1UT04	1/4"	0.86"	0.62"
C1UT05	5/16"	1.00"	0.73"
C1RUT0604	3/8"X1/4"	0.98"	0.68"
C1UT06	3/8"	0.99"	0.73"
C1UTH08	1/2"	1.33"	0.96"
C1UTH10	5/8"	1.48"	1.06"
C1UT12	3/4"	1.69"	1.25"
C1UT14	7/8"	1.70"	1.30"



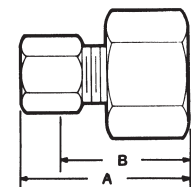
C1UE UNION ELBOW (OD TUBE 02,03,04,05,06,07,H08,H10,12,14) REF SAE 060201

PART NUMBER	O.D. TUBE	A	B
C1UE02	1/8"	0.82"	0.62"
C1UE03	3/16"	0.87"	0.63"
C1UE04	1/4"	0.76"	0.52"
C1UE05	5/16"	0.91"	0.65"
C1RUE0604	3/8"X1/4"	0.95"	0.68"
C1UE06	3/8"	1.03"	0.75"
C1RUEH0806	1/2"X3/8"	1.50"	1.30"
C1UEH08	1/2"	1.28"	0.88"
C1RUEH1006	5/8"X3/8"	1.40"	1.20"
C1RUEH1008	5/8"X1/2"	1.40"	1.20"
C1UEH10	5/8"	1.48"	1.06"
C1UE12	3/4"	1.62"	1.18"
C1UE14	7/8"	1.78"	1.38"



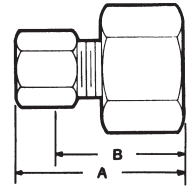
C1FC FEMALE CONNECTOR (OD TUBE 02,03,04,05,06,07,H08,H10,12, SAE 060103)

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	HEX
C1FC0202N	1/8"	1/8"	0.95"	0.75"	9/16"
C1FC0302N	3/16"	1/8"	1.02"	0.78"	9/16"
C1FC0304N	3/16"	1/4"	1.20"	0.96"	11/16"
C1FC0402N	1/4"	1/8"	0.94"	0.70"	1/2"
C1FC0404N	1/4"	1/4"	1/12"	0.88"	5/8"
C1FC0406N	1/4"	3/8"	1.24"	1"	3/4"



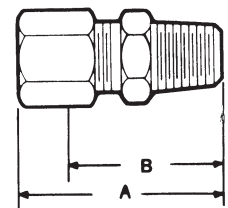
C1FC FEMALE CONNECTOR (OD TUBE 02,03,04,05,06,07,H08,H10,12, SAE 060103)

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	HEX
C1FC0408N	1/4"	1/2"	1.27"	1.03"	7/8"
C1FC0502N	5/16"	1/8"	1.07"	0.81"	1/2"
C1FC0504N	5/16"	1/4"	1.07"	0.91"	5/8"
C1FC0506N	5/16"	3/8"	1.30"	1.10"	3/4"
C1FC0602N	3/8"	1/8"	1.09"	0.81"	9/16"
C1FC0604N	3/8"	1/4"	1.22"	0.94"	5/8"
C1FC0606N	3/8"	3/8"	1.28"	1.00"	13/16"
C1FC0608N	3/8"	1/2"	1.34"	1.03"	7/8"
C1FC0612N	3/8"	3/4"	1.50"	1.25"	1-1/8"
C1FCH0804N	1/2"	1/4"	1.49"	1.09"	1-1/16"
C1FCH0806N	1/2"	3/8"	1.48"	1.06"	1-3/16"
C1FCH0808N	1/2"	1/2"	1.48"	1.05"	7/8"
C1FCH0812N	1/2"	3/4"	1.50"	1.25"	1-1/8"
C1FCH1006N	5/8"	3/8"	1.54"	1.06"	13/16"
C1FCH1008N	5/8"	1/2"	1.54"	1.06"	5/8"
C1FCH1012N	5/8"	3/4"	1.64"	1.16"	1-1/8"
C1FC1208N	3/4"	1/2"	1.73"	1.26"	7/8"
C1FC1212N	3/4"	3/4"	1.82"	1.28"	13/16"
C1FC1412N	7/8"	3/4"	1.65"	1.25"	1-1/8"



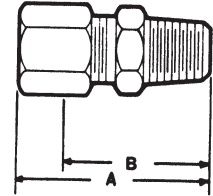
C1MC MALE CONNECTOR (OD TUBE 02,03,04,05,06,07,H08,H10,12,14SAE 060102BA)

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	HEX
C1MC0202N	1/8"	1/8"	0.98"	0.78"	7/16"
C1MC0302N	3/16"	1/8"	1.08"	0.84"	7/16"
C1MC0304N	3/16"	1/4"	1.27"	1.03"	9/16"
C1MC0402N	1/4"	1/8"	1.12"	0.88"	9/16"
C1MC0404N	1/4"	1/4"	1.21"	0.97"	9/16"
C1MC0406N	1/4"	3/8"	1.27"	1.03"	11/16"
C1MC0408N	1/4"	1/2"	1.27"	1.00"	13/16"
C1MC0502N	5/16"	1/8"	1.18"	0.91"	1/2"
C1MC0504N	5/16"	1/4"	1.23"	0.97"	9/16"
C1MC0506N	5/16"	3/8"	1.33"	1.06"	11/16"
C1MC0602N	3/8"	1/8"	1.22"	0.94"	9/16"
C1MC0604N	3/8"	1/4"	1.31"	1.03"	9/16"
C1MC0606N	3/8"	3/8"	1.39"	1.09"	11/16"
C1MC0608N	3/8"	1/2"	1.32"	1.06"	13/16"
C1MC0612N	3/8"	3/4"	1.59"	1.31"	1-1/16"
C1MC0704N	7/16"	1/4"	1.39"	1.06"	5/8"
C1MC0706N	7/16"	3/8"	1.45"	1.12"	11/16"
C1MCH0804N	1/2"	1/4"	1.49"	1.09"	11/16"
C1MCH0806N	1/2"	3/8"	1.54"	1.16"	11/16"
C1MCH0808N	1/2"	1/2"	1.49"	1.09"	13/16"
C1MCH0812N	1/2"	3/4"	1.78"	1.38"	1-1/16"
C1MCH1006N	5/8"	3/8"	1.54"	1.12"	13/16"
C1MCH1008N	5/8"	1/2"	1.80"	1.38"	1-1/16"



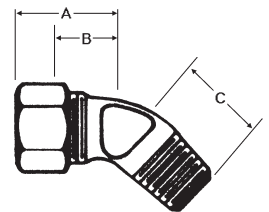
C1MC MALE CONNECTOR (OD TUBE H10,12,14) SAE 060102BA

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	HEX
C1MCH1012N	5/8"	3/4"	1.80"	1.38"	1-1/16"
C1MC1208N	3/4"	1/2"	1.89"	1.44"	1"
C1MC1212N	3/4"	3/4"	1.95"	1.50"	1-1/16"
C1MC1408N	7/8"	1/2"	1.67"	1.25"	1-1/8"
C1MC1412N	7/8"	3/4"	1.67"	1.25"	1-1/8"



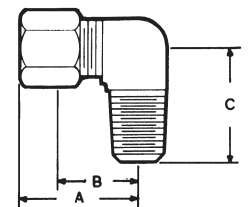
C1ME45 MALE ELBOW 45° (OD TUBE 04,05,06,H08,H10,12)

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	C
C1ME450402N	1/4"	1/8"	0.90"	0.66"	0.56"
C1ME450404N	1/4"	1/4"	0.90"	0.66"	0.62"
C1ME450604N	3/8"	1/4"	1.14"	0.78"	0.88"
C1MEH450806	1/2"	3/8"	1.14"	0.78"	0.88"
C1MEH451008	5/8"	1/2"	1.28"	0.95"	1.10"



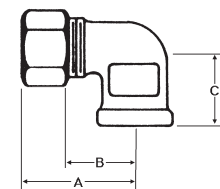
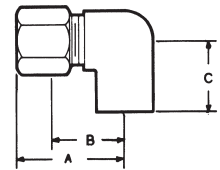
C1ME MALE ELBOW (OD TUBE 02,03,04,05,06,07,H08,H10,12,14) SAE 060202BA

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	HEX
C1ME0202N	1/8"	1/8"	0.79"	0.59"	0.72"
C1ME0302N	3/16"	1/8"	0.86"	0.62"	0.72"
C1ME0304N	3/16"	1/4"	0.83"	0.59"	0.81"
C1ME0402N	1/4"	1/8"	0.86"	0.62"	0.75"
C1ME0404N	1/4"	1/4"	0.85"	0.61"	0.81"
C1ME0406N	1/4"	3/8"	0.86"	0.62"	0.89"
C1ME0408N	1/4"	1/2"	1.07"	0.81"	1.14"
C1ME0502N	5/16"	1/8"	0.85"	0.59"	0.68"
C1ME0504N	5/16"	1/4"	0.92"	0.66"	0.84"
C1ME0506N	5/16"	3/8"	0.98"	0.72"	0.91"
C1ME0602N	3/8"	1/8"	1.08"	0.80"	0.66"
C1ME0604N	3/8"	1/4"	1.08"	0.80"	0.93"
C1ME0606N	3/8"	3/8"	1.05"	0.77"	0.93"
C1ME0608N	3/8"	1/2"	1.16"	0.88"	1.12"
C1ME0612N	3/8"	3/4"	1.30"	1.00"	1.30"
C1ME0704N	7/16"	1/4"	1.19"	0.85"	1.00"
C1MEH0804N	1/2"	1/4"	1.25"	0.88"	1.03"
C1MEH0806N	1/2"	3/8"	1.25"	0.88"	1.03"
C1MEH0808N	1/2"	1/2"	1.32"	0.94"	1.12"
C1MEH0812N	1/2"	3/4"	1.45"	1.13"	1.26"
C1MEH1006N	5/8"	3/8"	1.41"	1.06"	1.12"
C1MEH1008N	5/8"	1/2"	1.41"	1.06"	1.16"
C1MEH1012N	5/8"	3/4"	1.45"	1.16"	1.26"
C1ME1208N	3/4"	1/2"	1.64"	1.16"	1.18"
C1ME1212N	3/4"	3/4"	1.76"	1.28"	1.31"
C1ME1412N	7/8"	3/4"	1.85"	1.25"	1.38"



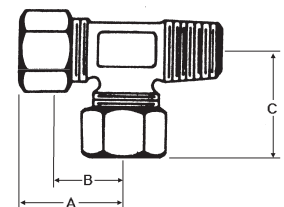
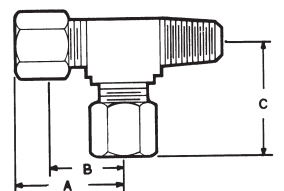
C1FE FEMALE 90° ELBOW (OD TUBE 02,03,04,05,06,07,H08,H10,12,14SAE 060203BA)

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	C
C1FE0202N	1/8"	1/8"	1.16"	0.94"	0.54"
C1FE0302N	3/16"	1/8"	1.26"	0.98"	0.57"
C1FE0402N	1/4"	1/8"	0.92"	0.68"	0.47"
C1FE0404N	1/4"	1/4"	0.99"	0.75"	0.59"
C1FE0406N	1/4"	3/8"	1.10"	0.88"	0.54"
C1FE0502N	5/16"	1/8"	1.33"	1.20"	0.82"
C1FE0504N	5/16"	1/4"	1.43"	1.15"	0.50"
C1FE0602N	3/8"	1/8"	1.10"	0.75"	0.84"
C1FE0604N	3/8"	1/4"	1.13"	0.58"	0.79"
C1FE0606N	3/8"	3/8"	1.56"	1.26"	0.61"
C1FE0608N	3/8"	1/2"	1.32"	0.97"	0.66"
C1FEH0804N	1/2"	1/4"	1.82"	1.49"	0.68"
C1FEH0806N	1/2"	3/8"	1.53"	1.19"	0.66"
C1FEH0808N	1/2"	1/2"	1.89"	1.53"	0.70"
C1FEH0812N	1/2"	3/4"	1.59"	1.53"	0.78"
C1FEH1006N	5/8"	3/8"	1.70"	1.20"	0.80"
C1FEH1008N	5/8"	1/2"	1.41"	1.03"	0.76"
C1FEH1012N	5/8"	3/4"	2.12"	1.75"	0.78"
C1FE1208N	3/4"	1/2"	2.29"	1.80"	1.24"
C1FEH1212N	3/4"	3/4"	2.36"	1.87"	0.92"



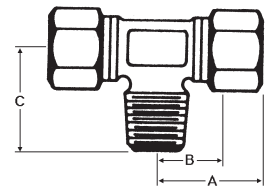
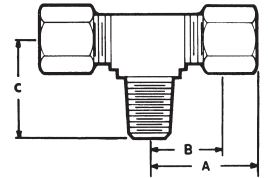
C1MRT MALE RUN TEE

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	C
C1MRT0202N	1/8"	1/8"	0.86"	0.66"	0.66"
C1MRT0302N	3/16"	1/8"	0.88"	0.63"	0.61"
C1MRT0402N	1/4"	1/8"	0.89"	0.64"	0.61"
C1MRT0404N	1/4"	1/4"	1.02"	0.68"	0.68"
C1MRT0502N	5/16"	1/8"	1.00"	0.73"	0.72"
C1MRT0504N	5/16"	1/4"	1.00"	0.80"	0.70"
C1MRT0602N	3/8"	1/8"	1.06"	0.75"	0.81"
C1MRT0604N	3/8"	1/4"	1.13"	0.78"	0.78"
C1MRT0606N	3/8"	3/8"	1.16"	0.81"	0.88"
C1MRTH0806N	1/2"	3/8"	1.27"	0.91"	0.97"
C1MRTH0808N	1/2"	1/2"	1.32"	0.97"	0.97"
C1MRTH1008N	5/8"	1/2"	1.52"	1.08"	1.09"
C1MRT1208N	3/4"	1/2"	1.65"	1.18"	1.21"



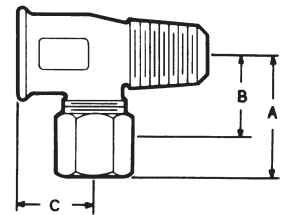
C1MBT MALE BRANCH TEE

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	C
C1MBT0202N	1/8"	1/8"	0.83"	0.61"	0.65"
C1MBT0302N	3/16"	1/8"	0.89"	0.63"	0.70"
C1MBT0402N	1/4"	1/8"	0.92"	0.63"	0.75"
C1MBT0404N	1/4"	1/4"	0.98"	0.68"	0.87"
C1MBT0502N	5/16"	1/8"	0.98"	0.75"	0.74"
C1MBT0504N	5/16"	1/4"	1.05"	0.75"	0.88"
C1MBT0602N	3/8"	1/8"	1.05"	0.75"	0.73"
C1MBT0604N	3/8"	1/4"	1.10"	0.78"	0.85"
C1MBT0606N	3/8"	3/8"	1.10"	0.78"	0.96"
C1MBTH0806N	1/2"	3/8"	1.31"	0.94"	1.13"
C1MBTH0808N	1/2"	1/2"	1.33"	0.97"	1.20"
C1MBTH1008N	5/8"	1/2"	1.42"	1.05"	1.31"
C1MBT1208N	3/4"	1/2"	1.72"	1.23"	1.32"
C1MBT1212N	3/4"	3/4"	1.72"	1.25"	1.50"



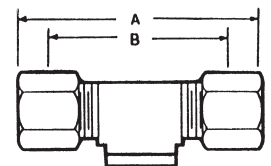
C1ST STREET FPT TO MPT TO TUBE TEE

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B	C
C1ST0202N	1/8"	1/8"	0.85"	0.61"	0.48"
C1ST0402N	1/4"	1/8"	0.85"	0.57"	0.45"
C1ST0404N	1/4"	1/4"	0.98"	0.71"	0.98"
C1ST0604N	3/8"	1/4"	1.09"	0.82"	0.98"



C1FBT FEMALE BRANCH TEE

PART NUMBER	O.D. TUBE	NPT PIPE THREAD	A	B
C1FBT0402N	1/4"	1/8"	1.70"	1.56"
C1FBT0404N	1/4"	1/4"	1.70"	1.57"
C1FBT0602N	3/8"	1/8"	1.75"	1.50"
C1FBT0604N	3/8"	1/4"	1.90"	1.60"
C1FBT0606N	3/8"	3/8"	1.90"	1.60"
C1FBTH0802N	1/2"	1/8"	2.20"	1.90"
C1FBTH1002N	5/8"	1/8"	2.50"	2.13"



C1CP COMPRESSION CAP

PART NUMBER	O.D. TUBE	A	HEX
C1CP04	1/4"	0.438"	1/2"
C1CP06	3/8"	0.468"	5/8"
C1CP08	1/2"	0.562"	3/4"
C1CP10	5/8"	0.563"	7/8"

