

IAPMO RESEARCH AND TESTING, INC.

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CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Effective Date: March 2014 -Rev. 3/13/2014- Void After: March 2015

Product: Lead Free Plumbing Products File No. 8688

Issued To: Nacional De Cobre, S.a. De C.v. Planta Cupro San Luis
Av. Promocion No. 200
Zona Industrial
San Luis Potosi, Slp, SL 78395
Mexico

Identification: Each product shall bear permanent and legible markings to identify the manufacturer. This marking shall be the trade name, trademark, or other mark known to identify the manufacturer. The product and/or product packaging may also bear the term "Lead Plumbing Law", "Complies with Lead Plumbing Law", or either "Lead Free" or "Low Lead" above or in close proximity to the appropriate IAPMO R&T certification mark, or the term "Certified by IAPMO R&T". The product packaging may also bear a grey dot, a check mark with circle, or any other home centers marking requirements.

Characteristics: Products may include any pipe, pipe fitting, solder, flux, or other plumbing products providing water for human consumption. Products listed below are to be installed in accordance with the manufacturer's instruction. These products have been verified with weighted average lead content $\leq 0.25\%$; Solder and flux lead content $\leq 0.2\%$.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the


Chairman, Product Certification Committee


CEO, The IAPMO Group



This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing.

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laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following standard(s):

Section 1417(d) of the Safe Drinking Water Act

The lead content requirements of Section 116875 of the California Health & Safety Code

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MODELS:

<u>Model No.</u>	<u>Description</u>
100-10	COUPLING ROLL STOP 3/8
100-13	COUPLING ROLL STOP 1/2
100-19	COUPLING ROLL STOP 3/4
100-25	COUPLING ROLL STOP 1
100-32	COUPLING ROLL STOP 1 1/4
100-38	COUPLING ROLL STOP 1 1/2
100-51	COUPLING ROLL STOP 2
101-10	COUPLING NO STOP 3/8
101-13	COUPLING NO STOP 1/2
101-19	COUPLING NO STOP 3/4
101-25	COUPLING NO STOP 1
101-32	COUPLING NO STOP 1 1/4
101-38	COUPLING NO STOP 1 1/2
101-51	COUPLING NO STOP 2
101R-1310	COUPLING REDUCED 1/2 x 3/8
101R-1910	COUPLING REDUCED 3/4 X 3/8
101R-1913	COUPLING REDUCED 3/4 X 1/2
101R-2513	COUPLING REDUCED 1 X 1/2
101R-2519	COUPLING REDUCED 1 X 3/4
101R-3213	COUPLING REDUCED 1 1/4 X 1/2
101R-3219	COUPLING REDUCED 1 1/4 X 3/4
101R-3225	COUPLING REDUCED 1 1/4 X 1
101R-3813	COUPLING REDUCED 1 1/2 X 1/2
101R-3819	COUPLING REDUCED 1 1/2 X 3/4
101R-3825	COUPLING REDUCED 1 1/2 X 1
101R-3832	COUPLING REDUCED 1 1/2 X 1 1/4
101R-5125	COUPLING REDUCED 2 X 1
101R-5132	COUPLING REDUCED 2 X 1 1/4
101R-5138	COUPLING REDUCED 2 X 1 1/2
118-1310	COUPLING EXTENDED 1/2 x 3/8
118-1910	COUPLING EXTENDED 3/4 X 3/8
118-1913	COUPLING EXTENDED 3/4 X 1/2
118-2513	COUPLING EXTENDED 1 X 1/2
118-2519	COUPLING EXTENDED 1 X 3/4
118-3213	COUPLING EXTENDED 1 1/4 X 1/2
118-3219	COUPLING EXTENDED 1 1/4 X 3/4
118-3225	COUPLING EXTENDED 1 1/4 X 1
118-3819	COUPLING EXTENDED 1 1/2 X 3/4
118-3825	COUPLING EXTENDED 1 1/2 X 1
118-3832	COUPLING EXTENDED 1 1/2 X 1 1/4
118-51-25	COUPLING EXTENDED 2 X 1
118-51-32	COUPLING EXTENDED 2 X 1 1/4
118-5138	COUPLING EXTENDED 2 X 1 1/2
106-10	ELBOW 45deg. 3/8
106-13	ELBOW 45deg. 1/2

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106-19	ELBOW 45deg. 3/4
106-25	ELBOW 45deg. 1
106-32	ELBOW 45deg. 1 1/4
106-38	ELBOW 45deg. 1 1/2
106-51	ELBOW 45deg. 2
107-10	ELBOW 90deg. SHORT RADIUS 3/8
107-13	ELBOW 90deg. SHORT RADIUS 1/2
107-19	ELBOW 90deg. SHORT RADIUS 3/4
107-25	ELBOW 90deg. SHORT RADIUS 1
107-32	ELBOW 90deg. SHORT RADIUS 1 1/4
107-38	ELBOW 90deg. SHORT RADIUS 1 1/2
107-51	ELBOW 90deg. SHORT RADIUS 2
107-10L	ELBOW 90deg. LONG RADIUS 3/8
107-13L	ELBOW 90deg. LONG RADIUS 1/2
107-19L	ELBOW 90deg. LONG RADIUS 3/4
107-25L	ELBOW 90deg. LONG RADIUS 1
107R-1310	ELBOW 90deg. REDUCED 1/2 X 3/8
107R-1913	ELBOW 90deg. REDUCED 3/4 X 1/2
107R-2513	ELBOW 90deg. REDUCED 1 X 1/2
107R-2519	ELBOW 90deg. REDUCED 1 X 3/4
111-10	TEE 3/8
111-13	TEE 1/2
111-19	TEE 3/4
111-25	TEE 1
111-32	TEE 1 1/4
111-38	TEE 1 1/2
111-51	TEE 2
111R-101013	TEE REDUCED 3/8 X 3/8 X 1/2
111R-131010	TEE REDUCED 1/2 X 3/8 X 3/8
111R-131310	TEE REDUCED 1/2 X 1/2 X 3/8
111R-131013	TEE REDUCED 1/2 X 3/8 X 1/2
111R-131319	TEE REDUCED 1/2 X 1/2 X 3/4
111R-191313	TEE REDUCED 3/4 X 1/2 X 1/2
111R-191319	TEE REDUCED 3/4 X 1/2 X 3/4
111R-191910	TEE REDUCED 3/4 X 3/4 X 3/8
111R-191913	TEE REDUCED 3/4 X 3/4 X 1/2
111R-191925	TEE REDUCED 3/4 X 3/4 X 1
111R-251313	TEE REDUCED 1 X 1/2 X 1/2
111R-251319	TEE REDUCED 1 X 1/2 X 3/4
111R-251325	TEE REDUCED 1 X 1/2 X 1
111R-251913	TEE REDUCED 1 X 3/4 X 1/2
111R-251919	TEE REDUCED 1 X 3/4 X 3/4
111R-251925	TEE REDUCED 1 X 3/4 X 1
111R-252513	TEE REDUCED 1 X 1 X 1/2
111R-252519	TEE REDUCED 1 X 1 X 3/4
111R-252532	TEE REDUCED 1 X 1 X 1 1/4
111R-321332	TEE REDUCED 1 1/4 X 1/2 X 1 1/4
111R-321919	TEE REDUCED 1 1/4 X 3/4 X 3/4

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111R-321925	TEE REDUCED 1 1/4 X 3/4 X 1
111R-321932	TEE REDUCED 1 1/4 X 3/4 X 1 1/4
111R-322513	TEE REDUCED 1 1/4 X 1 X 3/8
111R-322519	TEE REDUCED 1 1/4 X 1 X 3/4
111R-322525	TEE REDUCED 1 1/4 X 1 X 1
111R322532	TEE REDUCED 1 1/4 X 1 X 1 1/4
111R-323213	TEE REDUCED 1 1/4 X 1 1/4 X 1/2
111R-323219	TEE REDUCED 1 1/4 X 1 1/4 X 3/4
111R-323225	TEE REDUCED 1 1/4 X 1 1/4 X 1
111R-323238	TEE REDUCED 1 1/4 X 1 1/4 X 1 1/2
111R-381338	TEE REDUCED 1 1/2 X 3/8 X 1 1/2
111R-381919	TEE REDUCED 1 1/2 X 3/4 X 3/4
111R-381932	TEE REDUCED 1 1/2 X 3/4 X 1 1/4
111R-381938	TEE REDUCED 1 1/2 X 3/4 X 1 1/2
111R-382519	TEE REDUCED 1 1/2 X 1 X 3/4
111R-382525	TEE REDUCED 1 1/2 X 1 X 1
111R-382532	TEE REDUCED 1 1/2 X 1 X 1 1/4
111R-382538	TEE REDUCED 1 1/2 X 1 X 1 1/2
111R-383213	TEE REDUCED 1 1/2 X 1 1/4 X 1/2
111R-383219	TEE REDUCED 1 1/2 X 1 1/4 X 3/4
111R-383225	TEE REDUCED 1 1/2 X 1 1/4 X 1
111R-383232	TEE REDUCED 1 1/2 X 1 1/4 X 1 1/4
111R-383238	TEE REDUCED 1 1/2 X 1 1/4 X 1 1/2
111R-383813	TEE REDUCED 1 1/2 X 1 1/2 X 1/2
111R-383819	TEE REDUCED 1 1/2 X 1 1/2 X 3/4
111R-383825	TEE REDUCED 1 1/2 X 1 1/2 X 1
111R-383832	TEE REDUCED 1 1/2 X 1 1/2 X 1 1/4
111R-383851	TEE REDUCED 1 1/2 X 1 1/2 X 2
111R-511951	TEE REDUCED 2 X 3/4 X 2
111R-512525	TEE REDUCED 2 X 1 X 1
111R-512551	TEE REDUCED 2 X 1 X 2
111R-513232	TEE REDUCED 2 X 1 1/4 X 1 1/4
111R-513238	TEE REDUCED 2 X 1 1/4 X 1 1/2
111R-513251	TEE REDUCED 2 X 1 1/4 X 2
111R-513819	TEE REDUCED 2 X 1 1/2 X 3/4
111R-513825	TEE REDUCED 2 X 1 1/2 X 1
111R-513832	TEE REDUCED 2 X 1 1/2 X 1 1/4
111R-513838	TEE REDUCED 2 X 1 1/2 X 1 1/2
111R-513851	TEE REDUCED 2 X 1 1/2 X 2
111R-515113	TEE REDUCED 2 X 2 X 1/2
1118-515119	TEE REDUCED 2 X 2 X 3/4
111R-515125	TEE REDUCED 2 X 2 X 1
111R-515132	TEE REDUCED 2 X 2 X 1 1/4
111R-515138	TEE REDUCED 2 X 2 X 1 1/2
1/8 SPS	SEAMLESS PIPE COPPER ALLOY C23000 0.405"OD X 0.062"WT ANNEALED TEMPER
1/8 SPS	SEAMLESS PIPE COPPER ALLOY C23000 0.405"OD X 0.062"WT DRAWN TEMPER
1/4 SPS	SEAMLESS PIPE COPPER ALLOY C23000 0.540"OD X 0.082"WT ANNEALED TEMPER
1/4 SPS	SEAMLESS PIPE COPPER ALLOY C23000 0.540"OD X 0.082"WT DRAWN TEMPER

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3/8 SPS	SEAMLESS PIPE COPPER ALLOY C23000	0.675"OD X 0.090"WT	ANNEALED TEMPER
3/8 SPS	SEAMLESS PIPE COPPER ALLOY C23000	0.675"OD X 0.090"WT	DRAWN TEMPER
1/2 SPS	SEAMLESS PIPE COPPER ALLOY C23000	0.840"OD X 0.107"WT	ANNEALED TEMPER
1/2 SPS	SEAMLESS PIPE COPPER ALLOY C23000	0.840"OD X 0.107"WT	DRAWN TEMPER
3/4 SPS	SEAMLESS PIPE COPPER ALLOY C23000	1.050"OD X 0.114"WT	ANNEALED TEMPER
3/4 SPS	SEAMLESS PIPE COPPER ALLOY C23000	1.050"OD X 0.114"WT	DRAWN TEMPER
1 SPS	SEAMLESS PIPE COPPER ALLOY C23000	1.315"OD X 0.126"WT	ANNEALED TEMPER
1 SPS	SEAMLESS PIPE COPPER ALLOY C23000	1.315"OD X 0.126"WT	DRAWN TEMPER
1 1/4 SPS	SEAMLESS PIPE COPPER ALLOY C23000	1.660"OD X 0.146"WT	ANNEALED TEMPER
1 1/4 SPS	SEAMLESS PIPE COPPER ALLOY C23000	1.660"OD X 0.146"WT	DRAWN TEMPER
1 1/2 SPS	SEAMLESS PIPE COPPER ALLOY C23000	1.900"OD X 0.150"WT	ANNEALED TEMPER
1 1/2 SPS	SEAMLESS PIPE COPPER ALLOY C23000	1.900"OD X 0.150"WT	DRAWN TEMPER
2 SPS	SEAMLESS PIPE COPPER ALLOY C23000	2.375"OD X 0.156"WT	ANNEALED TEMPER
2 SPS	SEAMLESS PIPE COPPER ALLOY C23000	2.375"OD X 0.156"WT	DRAWN TEMPER
2 1/2 SPS	SEAMLESS PIPE COPPER ALLOY C23000	2.875"OD X 0.187"WT	ANNEALED TEMPER
2 1/2 SPS	SEAMLESS PIPE COPPER ALLOY C23000	2.875"OD X 0.187"WT	DRAWN TEMPER
3 SPS	SEAMLESS PIPE COPPER ALLOY C23000	3.500"OD X 0.219"WT	ANNEALED TEMPER
3 SPS	SEAMLESS PIPE COPPER ALLOY C23000	3.500"OD X 0.219"WT	DRAWN TEMPER
3 1/2 SPS	SEAMLESS PIPE COPPER ALLOY C23000	4.000"OD X 0.250"WT	ANNEALED TEMPER
3 1/2 SPS	SEAMLESS PIPE COPPER ALLOY C23000	4.000"OD X 0.250"WT	DRAWN TEMPER
4 SPS	SEAMLESS PIPE COPPER ALLOY C23000	4.500"OD X 0.250"WT	ANNEALED TEMPER
4 SPS	SEAMLESS PIPE COPPER ALLOY C23000	4.500"OD X 0.250"WT	DRAWN TEMPER
5 SPS	SEAMLESS PIPE COPPER ALLOY C23000	5.562"OD X 0.250"WT	ANNEALED TEMPER
5 SPS	SEAMLESS PIPE COPPER ALLOY C23000	5.562"OD X 0.250"WT	DRAWN TEMPER
6 SPS	SEAMLESS PIPE COPPER ALLOY C23000	6.625"OD X 0.250"WT	ANNEALED TEMPER
6 SPS	SEAMLESS PIPE COPPER ALLOY C23000	6.625"OD X 0.250"WT	DRAWN TEMPER
1/4 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	0.375"OD X 0.025"WT	DRAWN TEMPER
3/8 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	0.500"OD X 0.025"WT	DRAWN TEMPER
1/2 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	0.625"OD X 0.028"WT	DRAWN TEMPER
3/4 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	0.875"OD X 0.032"WT	DRAWN TEMPER
1 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	1.125"OD X 0.035"WT	DRAWN TEMPER
1 1/4 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	1.375"OD X 0.042"WT	DRAWN TEMPER
1 1/2 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	1.625"OD X 0.049"WT	DRAWN TEMPER
2 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	2.125"OD X 0.058"WT	DRAWN TEMPER
2 1/2 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	2.625"OD X 0.065"WT	DRAWN TEMPER
3 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	3.125"OD X 0.072"WT	DRAWN TEMPER
3 1/2 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	3.625"OD X 0.083"WT	DRAWN TEMPER
4 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	4.125"OD X 0.095"WT	DRAWN TEMPER
5 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	5.125"OD X 0.109"WT	DRAWN TEMPER
6 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	6.125"OD X 0.122"WT	DRAWN TEMPER
8 TYPE M DRAWN	SEAMLESS PIPE COPPER C12200	8.125"OD X 0.170"WT	DRAWN TEMPER
1/4 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	0.375"OD X 0.030"WT	DRAWN TEMPER
1/4 TYPE L SOFT	SEAMLESS PIPE COPPER C12200	0.375"OD X 0.030"WT	SOFT TEMPER
3/8TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	0.500"OD X 0.035"WT	DRAWN TEMPER
3/8 TYPE L SOFT	SEAMLESS PIPE COPPER C12200	0.500"OD X 0.035"WT	SOFT TEMPER
1/2 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	0.625"OD X 0.040"WT	DRAWN TEMPER
1/2 TYPE L SOFT	SEAMLESS PIPE COPPER C12200	0.625"OD X 0.040"WT	SOFT TEMPER
3/4 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	0.875"OD X 0.045"WT	DRAWN TEMPER

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3/4 TYPE L SOFT	SEAMLESS PIPE COPPER C12200	0.875"OD X 0.045"WT	SOFT TEMPER
1 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	1.125"OD X 0.050"WT	DRAWN TEMPER
1 TYPE L SOFT	SEAMLESS PIPE COPPER C12200	1.125"OD X 0.050"WT	SOFT TEMPER
1 1/4 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	1.375"OD X 0.055"WT	DRAWN TEMPER
1 1/4 TYPE L SOFT	SEAMLESS PIPE COPPER C12200	1.375"OD X 0.055"WT	SOFT TEMPER
1 1/2 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	1.625"OD X 0.060"WT	DRAWN TEMPER
1 1/2 TYPE L SOFT	SEAMLESS PIPE COPPER C12200	1.625"OD X 0.060"WT	SOFT TEMPER
2 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	2.125"OD X 0.070"WT	DRAWN TEMPER
2 TYPE L SOFT	SEAMLESS PIPE COPPER C12200	2.125"OD X 0.070"WT	SOFT TEMPER
2 1/2 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	2.625"OD X 0.080"WT	DRAWN TEMPER
3 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	3.125"OD X 0.080"WT	DRAWN TEMPER
3 1/2 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	3.625"OD X 0.100"WT	DRAWN TEMPER
4 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	4.125"OD X 0.110"WT	DRAWN TEMPER
5 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	5.125"OD X 0.125"WT	DRAWN TEMPER
6 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	6.125"OD X 0.140"WT	DRAWN TEMPER
8 TYPE L DRAWN	SEAMLESS PIPE COPPER C12200	8.125"OD X 0.200"WT	DRAWN TEMPER
1/4 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	0.375"OD X 0.035"WT	DRAWN TEMPER
1/4 TYPE K SOFT	SEAMLESS PIPE COPPER C12200	0.375"OD X 0.035"WT	SOFT TEMPER
3/8TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	0.500"OD X 0.049"WT	DRAWN TEMPER
3/8 TYPE K SOFT	SEAMLESS PIPE COPPER C12200	0.500"OD X 0.049"WT	SOFT TEMPER
1/2 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	0.625"OD X 0.049"WT	DRAWN TEMPER
1/2 TYPE K SOFT	SEAMLESS PIPE COPPER C12200	0.625"OD X 0.049"WT	SOFT TEMPER
3/4 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	0.875"OD X 0.065"WT	DRAWN TEMPER
3/4 TYPE K SOFT	SEAMLESS PIPE COPPER C12200	0.875"OD X 0.065"WT	SOFT TEMPER
1 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	1.125"OD X 0.065"WT	DRAWN TEMPER
1 TYPE K SOFT	SEAMLESS PIPE COPPER C12200	1.125"OD X 0.065"WT	SOFT TEMPER
1 1/4 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	1.375"OD X 0.065"WT	DRAWN TEMPER
1 1/4 TYPE K SOFT	SEAMLESS PIPE COPPER C12200	1.375"OD X 0.065"WT	SOFT TEMPER
1 1/2 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	1.625"OD X 0.072"WT	DRAWN TEMPER
1 1/2 TYPE K SOFT	SEAMLESS PIPE COPPER C12200	1.625"OD X 0.072"WT	SOFT TEMPER
2 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	2.125"OD X 0.083"WT	DRAWN TEMPER
2 TYPE K SOFT	SEAMLESS PIPE COPPER C12200	2.125"OD X 0.083"WT	SOFT TEMPER
2 1/2 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	2.625"OD X 0.095"WT	DRAWN TEMPER
3 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	3.125"OD X 0.109"WT	DRAWN TEMPER
3 1/2 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	3.625"OD X 0.120"WT	DRAWN TEMPER
4 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	4.125"OD X 0.134"WT	DRAWN TEMPER
5 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	5.125"OD X 0.160"WT	DRAWN TEMPER
6 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	6.125"OD X 0.192"WT	DRAWN TEMPER
8 TYPE K DRAWN	SEAMLESS PIPE COPPER C12200	8.125"OD X 0.271"WT	DRAWN TEMPER