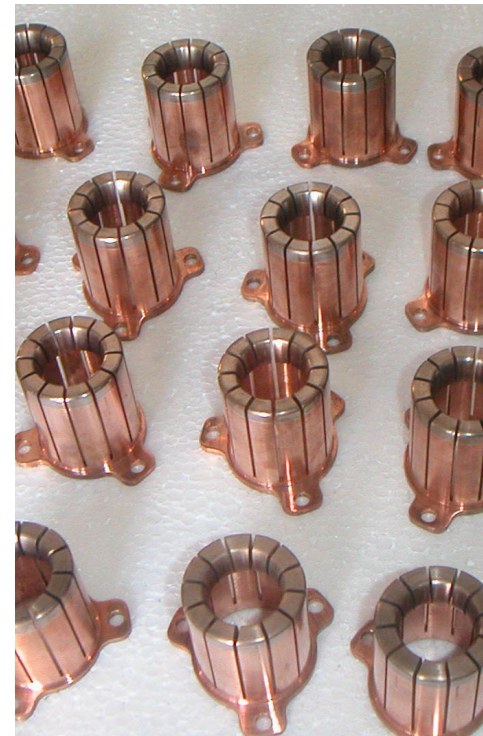
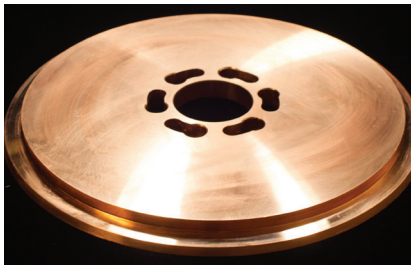


RESISTANCE WELDING PRODUCTS

Bars, Coils, Tubes, Hex Bars, Flat Bars, Roto Bars, Sheet & Plate, Forged Profiles & Rings, Forged Discs, Machined Parts, Special Shapes, and Made to Order Components



Aviva Metals selection of RWMA alloys are available in a wide range of sizes and variety of forms including Bars, Coils, Tubes, Hex Bars, Flat Bars, Roto Bars, Sheet & Plate, Forged Profiles & Rings, Forged Discs, Machined Parts, Special Shapes, and Made to Order Components.

CLASS APPLICATIONS

CLASS 1:

Welding Caps, Electrode Adapters, Seam Welding Wheels

CLASS 2:

Welding Caps, Electrode Holders, Welding Arms, Nozzles, Butt Welding Dies, Seam Welding Wheels

CLASS 3:

Butt Welding Dies, Electrode Holders, Seam Welding Wheels, Electrode Forming Dies, Welding Arms

CLASS 4:

Seam Welding Wheels, Butt Welding Dies, Electrode Holders, Welding Arms

RAW MATERIAL AVAILABILITY

We also have abundant inventories of the following:

C10100 Oxygen Free Electronic Copper

C10200 Oxygen Free Copper

C11000 ETP Copper

C14500 Tellurium Copper

C15000 Zirconium Copper

C17200 Beryllium Copper

C17510 Beryllium Copper

C18000 Copper Chromium Nickel Silicon

C18150 Copper Chromium Zirconium

C18200 Chromium Copper



Formerly National Bronze & Metals, Inc.

RWMA CLASS APPLICATIONS

RWMA CLASS 1:

C15000 (Cu Zr)

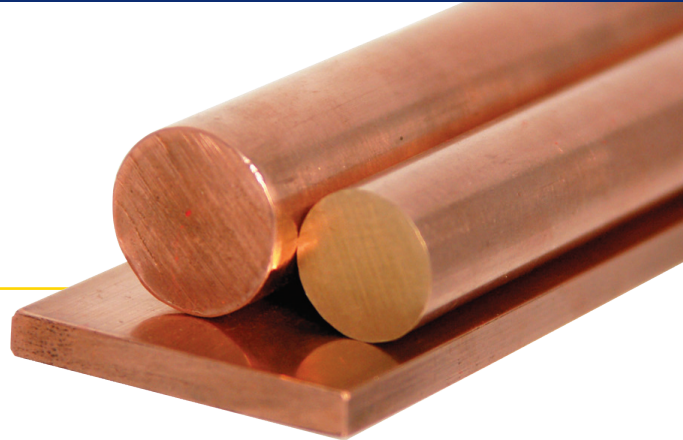
Zirconium Copper

EN: CW120C 12163 12167

DIN: 17666 2.1580

Conductivity.....80% IACS

Hardness.....65 HRb



RWMA CLASS 2:

C18200 (Cu Cr1)

Chromium Copper

EN: CW105C 12167

DIN: 2.1293

C18150 (Cu Cr1 Zr)

Chromium Zirconium Copper

EN: CW106C 12163 12167

DIN: 17666-2,1293 17672 44759

Conductivity.....75% IACS

Hardness.....75 HRb

RWMA CLASS 3:

C17500 (Cu Co2 Ni Be)

Beryllium Copper (CO)

EN: CW104C

DIN: 17666-2,1285 17672 44759

CB4

Conductivity.....45% IACS

Hardness.....90 HRb

(Annealed Temper available from stock)

C17510 (Cu Ni Be)

Beryllium Copper(NI)

ASTM: B441 / B534

EN: CW110C

DIN: 17666-2,0850 17672

Conductivity.....45% IACS

Hardness.....90 HRb

(Annealed Temper available from stock)

C18000 (Cu Ni Si Cr)

Beryllium Free Copper

EN: CW110C 12163

CuNi2Si

Conductivity.....45% IACS

Hardness.....90 HRb

(Annealed Temper available from stock)

RWMA CLASS 4:

C17200 (Cu Be2)

Beryllium Copper

EN: CW101C

DIN: 17672 2,1247

NFL: 14709

AMS 4533D 4535C

Conductivity.....20 % IACS

Hardness.....33 HRc



RWMA CLASS 5:

C95400

Aluminum Bronze

ASTM: B505

Conductivity.....13 % IACS

Hardness.....82 HRb

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