

Ameralloy[®]

STAINLESS STEEL ALLOYS



Dura-Krome™ Stainless Steel

• Plate • Flats • Squares • Sheets

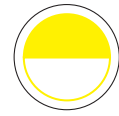
Dura-Krome Tubing

Dura-Krome Threaded Bar

Machining & Fabrication

Dura-Krome™

STAINLESS STEEL



Color Code:
YELLOW &
WHITE



Dura-Krome stainless steel alloy is designed to meet the requirements for tough applications. Dura-Krome resists corrosion, delivers strength, and provides machineability in a non-hardenable fatigue resisting alloy compatible with the 300 stainless series (302, 304, 316, and 321).

Typical Analysis

- Carbon .02/.05
- Silicon .40/1.25
- Chromium 19.00/25.00
- Nickel 25.00/35.00

Features And Advantages

- Free machining
- Fatigue resistant
- Non-galling
- Corrosion resistant
- non-magnetic
- High tensile strength

Dura-Krome Rounds

- Available from 1/8" through 8"
- Cold drawn finish
- Centerless ground finish
- Precision ground and polished finish (+.000/.002")



Dura-Krome™

STAINLESS STEEL

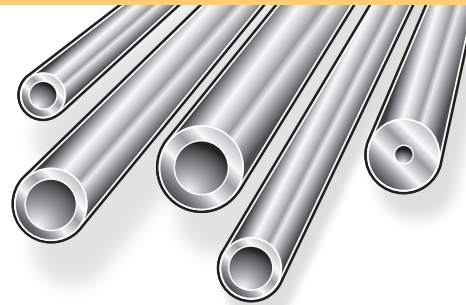
Dura-Krome Plates, Squares, Flats, Sheets

- Available thickness from 1/8" through 2"
- Over one inch special order to your specifications
- Stock sizes or plasma cut to shape



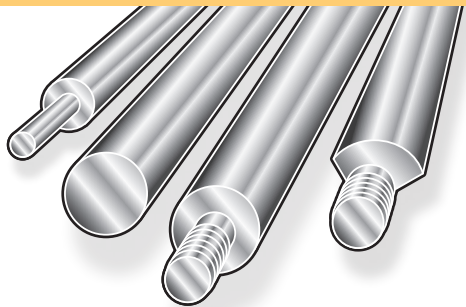
Dura-Krome Tubing

- Welded and seamless available—consult Ameralloy plant for stock sizes



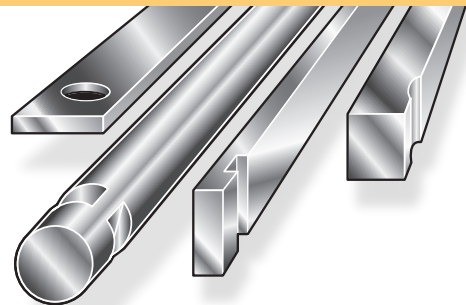
Dura-Krome Threaded Bar

- 1/4" through 2" standard, fine, and 8 pitch
- Class 2 fit



Machining And Fabrication

- Forming, rolling, punching, and perforating
- Specialty forgings and machining to your specifications





Applications

- Acetic acid
- Acetylene
- Alcohol
- Aluminum acetate
- Aluminum sulfate
- Ammonia
- Aniline
- Barium carbonate
- Barium chloride
- Barium sulphate
- Benzene
- Boric acid
- Butyl acetate
- Calcium chloride
- Calcium hydroxide
- Carbonic acid
- Carbon tetrachloride
- Cellulose
- Chlorine gas
- Chromic acid
- Copper acetate
- Copper nitrate
- Creosote
- Ethyl alcohol
- Ethyl chloride
- Ethyl alcohol
- Ferric chloride
- Ferric nitrate
- Ferrous sulfate
- Flourine
- Formaldehyde
- Fuel oil
- Gasoline
- Glycerin
- Hops
- Hydrogen peroxide
- Iodine
- Lactic acid
- Magnesium sulfate
- Mercuric chloride
- Methanol
- Naptha
- Nitric acid
- Pieric acid
- Potassium chlorate
- Potassium hydroxide
- Salt brine
- Soap
- Steam
- Sugar
- Sulphur
- Sulphuric acid
- Tannic acid
- Tar
- Trichlorethylene
- Uric acid
- Vinegar
- Water

Mechanical Properties Comparison

	Dura-Krome	302	304	316
Tensile strength psi minimum	115,000	89,000	85,000	90,000
Yield point psi minimum	51,000	39,000	35,000	40,000
Elongation in 2"	50%	55%	55%	50%
Reduction of area	55%	70%	70%	65%
Rockwell C hardness	20	Annealed	Annealed	Annealed

Dura-Krome Shapes And Sizes Available For Immediate Shipment

Rounds

1/8
3/16
1/4
5/16
3/8
7/16
1/2
9/16
5/8
11/16

3/4
13/16
7/8
15/16
1
1-1/8
1-3/16
1-1/4
1-3/8
1-7/16

1-1/2
1-5/8
1-3/4
1-7/8
2
2-3/16
2-1/4
2-3/8
2-1/2
2-3/4

3
3-1/4
3-1/2
3-3/4
3-15/16
4
4-1/4
4-1/2
4-3/4
5

5-1/2
6
6-1/2
7
7-1/2
8

Plate

1/8 x 60 x 120
3/16 x 48 x 120
3/16 x 72 x 120
1/4 x 48 x 120
1/4 x 78 x 120
5/16 x 48 x 120
5/16 x 72 x 120
3/8 x 48 x 120
3/8 x 72 x 120
1/2 x 48 x 120

1/2 x 72 x 120
5/8 x 48 x 120
5/8 x 72 x 120
3/4 x 48 x 120
3/4 x 72 x 120
1 x 48 x 120
1 x 72 x 120

Lengths: 12'-14'