

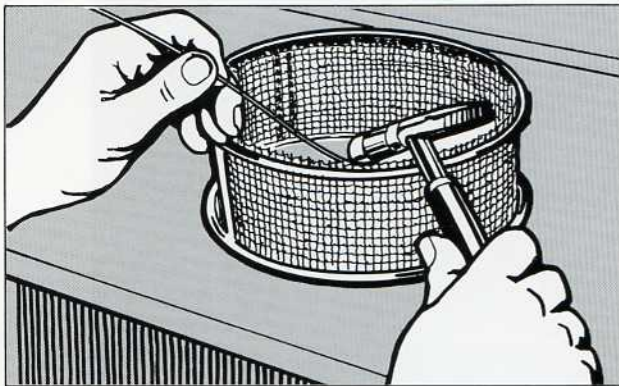
# BASKETS



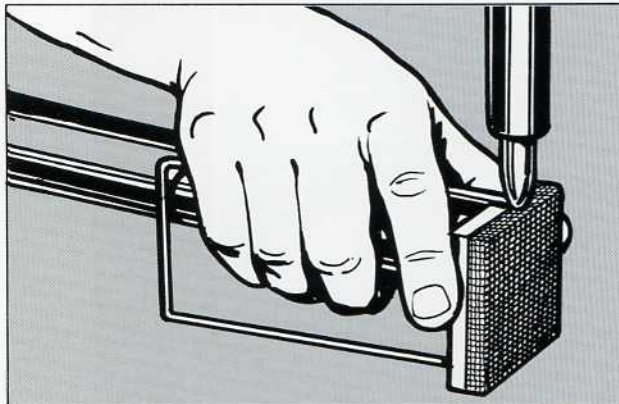
GENERAL PURPOSE • DEGREASING • PLATING • ULTRASONIC CLEANING • HEAT TREATING • DIPPING • SPECIAL

# Wire Cloth Baskets

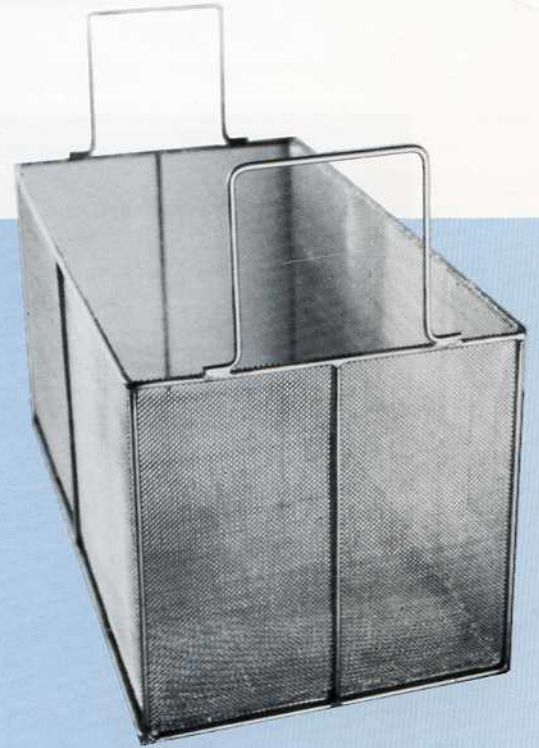
We fabricate baskets to your specifications only. These baskets may be made of wire cloth, expanded metal or perforated metal. Frames may be round, flat or rectangular bar stock. We fabricate all metals, any shape, large or small sizes, long or short runs. All operations—weaving, cutting, slitting, forming, stamping, punching, bending, edging, rolling, welding, soldering, seaming—are all under one roof, under our control to insure a quality product at a reasonable price.



Heli-Arc Welding



Resistance Spot Welding



*Note: These baskets are made to your specifications. See Page 7 for the information needed by us to quote price and delivery.*

## GENERAL PURPOSE



General purpose baskets are normally simple in design and of all-welded construction. We stock a wide range of the wire cloth usually specified for these baskets...so delivery is usually very prompt. Handles may be swing or rigid, frames may be round, flat or rectangular bar stock. Baskets may have nesting handles or stacking clips. Recommended for light to medium service.

**TYPICAL CONSTRUCTION...**  
Wire cloth is resistance spot welded to light diameter rod frame. In some applications heli-arc welding, brazing or soldering might be used.

## DEGREASING...PLATING



This type of basket is usually heavy in design and construction reflecting the hard service life. The rod frame is heavy and may have reinforcing rods and dog leg welded joints to improve rigidity. Other features might include lifting eyes, hanging hooks, removable liners for part size changes and plastic coating for corrosive service.

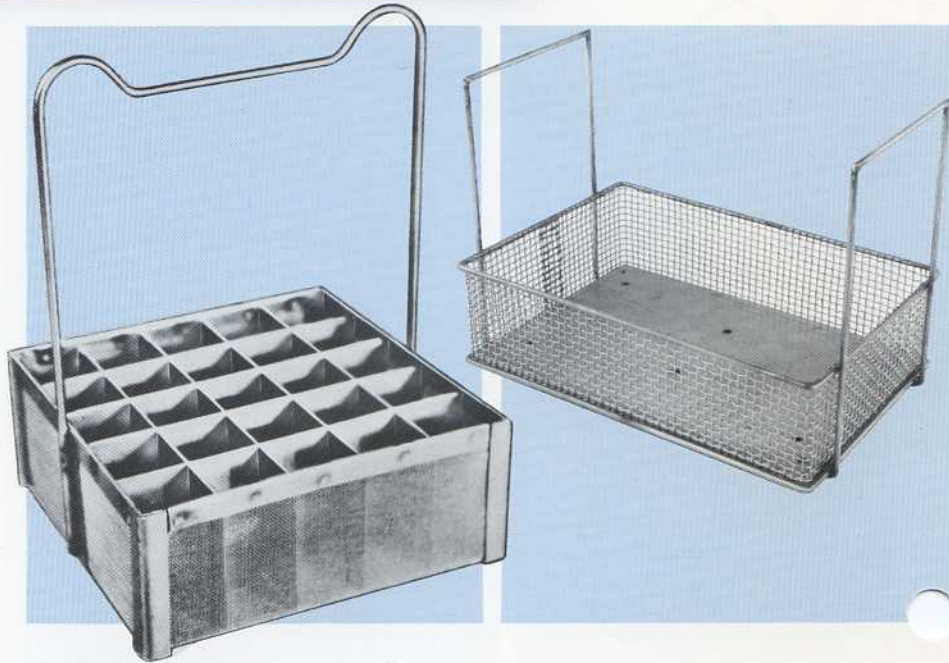
**TYPICAL CONSTRUCTION...**  
Wire cloth heli-arc welded to heavy diameter rod frame with dog leg joints for extra strength.

## ULTRASONIC CLEANING

Made to hold *your* parts and fit *your* tank. This is an area where a custom made basket will really pay off in cleaning results. Normally made with a solid bottom to increase "Cold Boil" action. Compartments may be fixed or removable; covers (clip-on or hinged) to prevent "Float-Out" are often specified. Any size, any shape.

### TYPICAL CONSTRUCTION...

Fast flow sides, solid—inverted bottom with drain holes for fast, complete drainage.



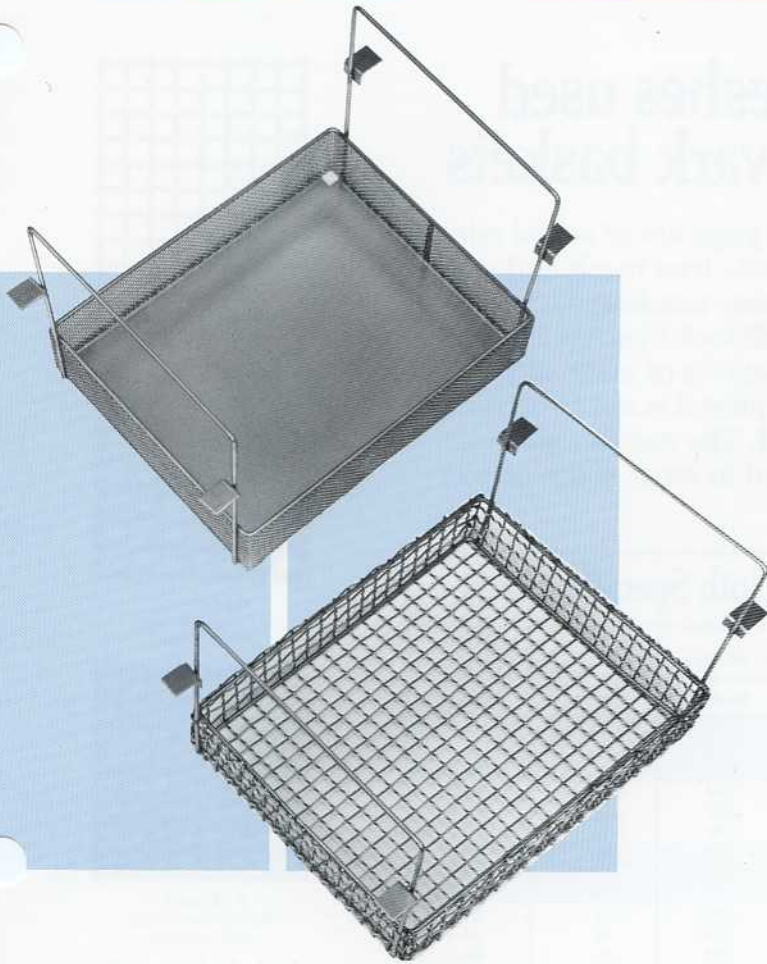
## HEAT TREATING

We normally make these baskets from the high-temperature nickel-chrome alloys. Construction details are extra heavy for durability and long service life under severe operating conditions. Special features could include push plates, pull handles, runners or lift hooks. Heat treating baskets can also be configured as trays to hold any part. Heavy welded or fold and tie construction, removable screen inserts.

### TYPICAL CONSTRUCTION...

No weld, using the fold and tie system. Eliminates stress points, weld joints, etc.





*Note: These baskets are made to your specifications. See Page 7 for the information needed by us to quote price and delivery.*

## **SPECIAL DESIGNS**

Newark Wire Cloth is ready to make *Your Basket*.

If any of the generic, more common baskets described here don't meet your special requirements, we're ready to design and manufacture one that does. The photos shown below provides an indication of some of the special wire cloth baskets we've constructed for others.

### **BASKETS OF ANY TYPE:**

- Tray
- Partition
- Flanged/Trap
- Centrifugal
- Sanitary
- Tumbling
- Parts Separation



# Some of the meshes used in making Newark baskets

The photographs on this page are of actual wire space or mesh cloth and show true mesh and wire diameter. They will help those needing baskets to visualize what the mesh will look like. We have over 1000 different combinations of mesh and wire diameters. If the desired material is not shown here, let us know what is wanted. The meshes shown, however, are those specified in most of the orders for NEWARK Baskets.



2 x 2 mesh;  
.135" diameter wire;  
.365" opening



2 x 2 mesh;  
.120" diameter wire;  
.380" opening



2 x 2 mesh  
.080" diameter wire;  
.420" opening



3 x 3 mesh;  
.105" diameter wire;  
.228" opening



3 x 3 mesh  
.063" diameter wire;  
.270" opening



3 x 3 mesh;  
.080" diameter wire;  
.253" opening



4 x 4 mesh;  
.080" diameter wire;  
.170" opening



4 x 4 mesh;  
.063" diameter wire;  
.187" opening



4 x 4 mesh  
.047" diameter wire;  
.203" opening



8 x 8 mesh  
.028" diameter wire;  
.097" opening



8 x 8 mesh;  
.047" diameter wire;  
.078" opening



8 x 8 mesh;  
.063" diameter wire;  
.062" opening



6 x 6 mesh  
.035" diameter wire;  
.132" opening



6 x 6 mesh;  
.063" diameter wire;  
.104" opening



5 x 5 mesh;  
.063" diameter wire;  
.137" opening

## Market Grade Wire Cloth Specifications

Mesh Count Per Inch	Diameter of Wire		Width of Opening		Open Area
	Inches	mm	Inches	mm	Percent
2	.063	1.60	.437	11.10	76.4
3	.054	1.37	.279	7.09	70.1
4	.047	1.19	.203	5.16	65.9
5	.041	1.04	.159	4.04	63.2
6	.035	.89	.132	3.35	62.7
8	.028	.71	.097	2.46	60.2
10	.025	.64	.075	1.91	56.3
12	.023	.584	.060	1.52	51.8
14	.020	.508	.051	1.30	51.0
16	.018	.457	.0445	1.13	50.7
18	.017	.432	.0386	.98	48.3
20	.016	.406	.034	.86	46.2
24	.014	.356	.0277	.70	44.2
30	.013	.330	.0203	.52	37.1
35	.011	.279	.0176	.45	36.9
40	.010	.254	.015	.38	36.0
50	.009	.229	.011	.28	30.3
60	.0075	.191	.0092	.23	30.5
70	.0065	.165	.0078	.20	29.8
80	.0055	.140	.007	.18	31.4
90	.0050	.127	.0061	.16	30.1
100	.0045	.114	.0055	.14	30.3
110	.0040	.1016	.0051	.1295	31.4
120	.0037	.094	.0046	.117	30.5
130	.0034	.086	.0043	.109	31.1
140	.0029	.074	.0042	.107	34.9
150	.0026	.066	.0041	.104	37.4
160	.0025	.064	.0038	.0965	37.6
170	.0024	.0610	.0035	.0889	35.1
180	.0023	.0584	.0033	.0838	34.7
200	.0021	.0534	.0029	.0737	33.6
250	.0016	.0406	.0024	.0610	36.0
270	.0016	.0406	.0021	.0533	32.2
325	.0014	.0356	.0017	.0432	30.5
400	.0010	.0254	.0015	.0370	36.0
500	.0010	.0254	.0010	.0254	25.0
635	.0008	.0203	.0008	.0203	25.0

# Basket Specifying and Ordering Hints

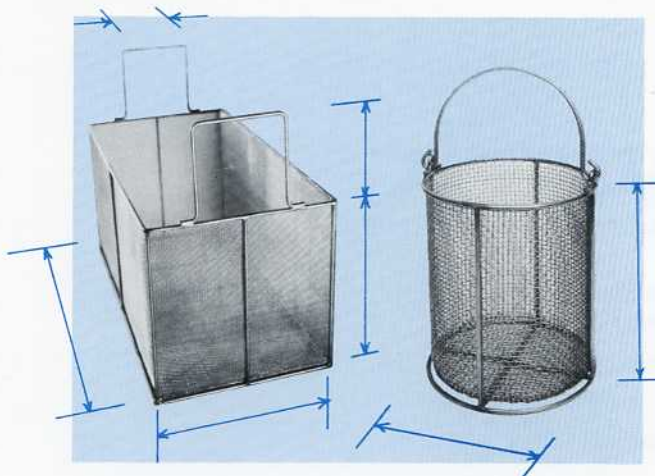
## Resistance of Metals

	BRASS	COPPER	INCONEL	MONEL	NICKEL	NICHROME	STAINLESS STEEL	STEEL
ALCOHOL	E	E	E	F	G	G	G	G
ALKALIS	F	X	E	E	E	G	E	E
AMMONIA	X	X	E	G	F	E	G	G
AMM. SALTS	X	X	E	F	F	E	F	F
BRINE	G	G	E	E	F	G	X	G
CYANIDE	X	X	G	X	F	E	E	G
HYDROCHLORIC	F	X	F	G	F	E	X	X
HYDROFLUORIC	X	F	G	E	F	F	X	X
NITRIC	X	X	G	X	X	E	E	X
SULPHURIC	F	F	F	G	F	E	X	X

E — Excellent  
G — Good  
F — Fair  
X — Not Recommended

## CONSTRUCTION SPECIFICATIONS

All of these photos picture the actual mesh described below them. These will help you specify the mesh you need. As you can see, thousands of different combinations are possible. Obviously, mesh designations much finer than those shown here are available. If you are not certain which mesh specification you need, call and we'll be happy to discuss it with you.



Note: Basket dimensions are taken as "Outside Dimensions" unless stated otherwise.

## Approximate Maximum Operating Temperatures

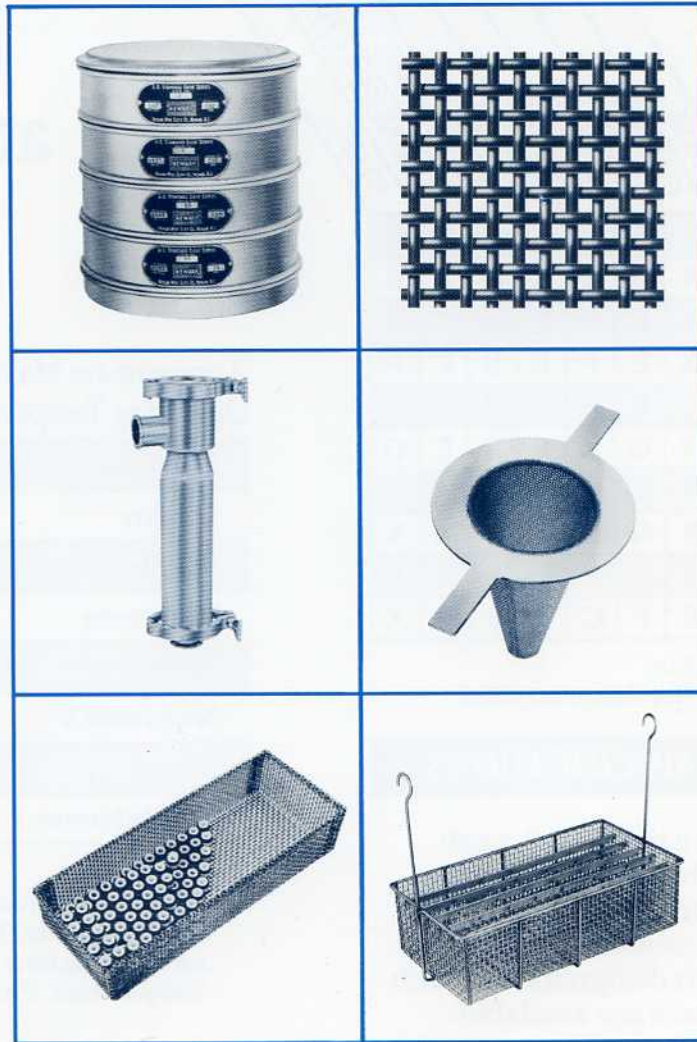
Stainless Steel 304	1500° F
Incoloy	1600° F
Stainless Steel 330	1650° F
Nichrome	1700° F
Inconel	1800° F
Nichrome V	2000° F
Nickel	2700° F
Molybdenum	4700° F

Note: Above information should be used only as a guide. The choice of metal depends on many factors; % of Concentration, Temperature, Product, Atmosphere, etc.

## WHAT WE NEED TO KNOW

- Metal
- Wire Cloth Specifications:
  - Wire diameter
  - Mesh or size of opening
- Construction Details:
  - Type of handle
  - Load to be held
  - Outside or inside dimensions
- Quantity

## Other Newark Products



The logo features a stylized blue 'N' with a grid pattern on its left side, followed by the word 'Newark' in a large, bold, blue serif font. Below 'Newark' is the text 'WIRE CLOTH COMPANY' in a smaller, blue, sans-serif font.

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