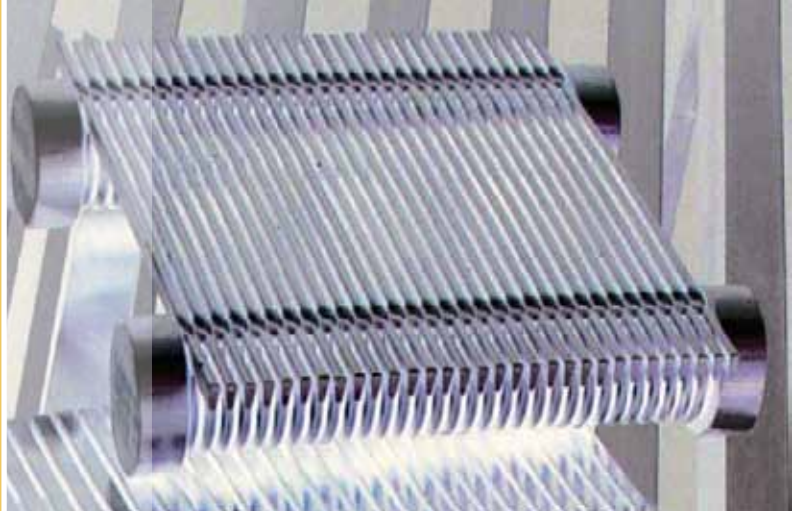


# TECHNICAL DATA



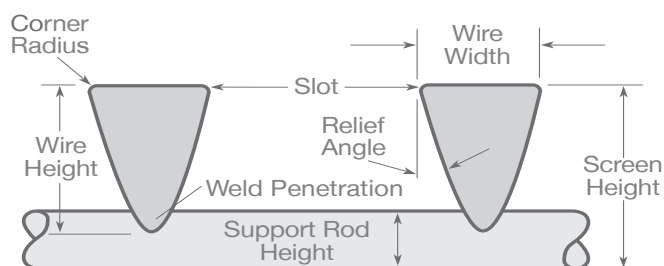
## STANDARD WELDED CONSTRUCTION



Johnson Screens standard welded construction uses resistance-welding in a continuous rolled motion to join the wire and rods. The resistance welds the continuous length of wire to the rods as it circulates.

Screens can be made in various different formations, including cylindrical, flat, or curved.

Any variation of wire and rod sizes as well as slot opening can be chosen to develop the exact screen of your choice. Screens are available in slot opening from 0.001 in. (25  $\mu$ m) up to 1 in. (25 mm). Most common materials used are 300 series stainless steel, but many exotic alloys are available to suit specific applications.



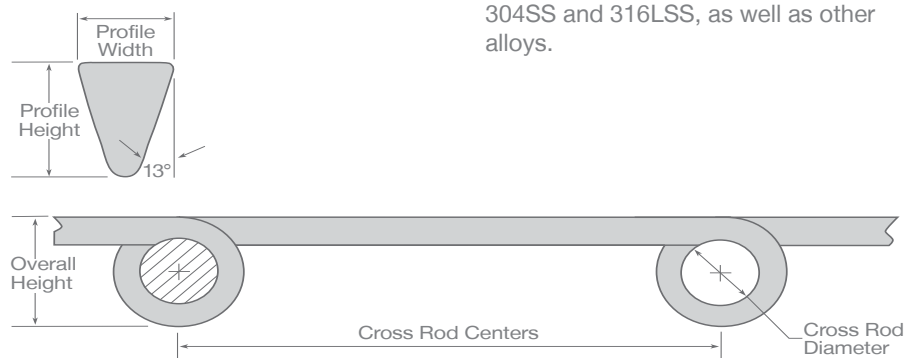
## LOOPED WIRE CONSTRUCTION



Looped wire profile screens are used in a variety of applications. Loop construction eliminates a welding requirement to join the rod and wire, as well as greatly increasing the durability of the screen in many applications.

Our loop wire manufacturing process allows for a great degree of flexibility in producing various profile shapes, openings and support-member configurations.

Flexible manufacturing gives us the capability to manufacture screens using 304SS and 316LSS, as well as other alloys.

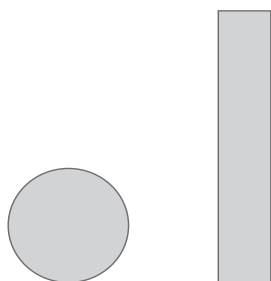




## WIRES AND RODS INFORMATION

A wide range of wire and rod shapes make it possible to achieve the optimum balance of strength, open area, abrasion resistance and dewatering/separation efficiency.

### JOHNSON SCREENS® ROUND AND STRIP SUPPORT RODS



Johnson Screens round rods are available in diameters ranging from 0.125 in. (3.175 mm) to 0.500 in. (12.7 mm). Strip rods are available in widths from 0.070 in. (1.778 mm) to 0.188 in. (4.775 mm) and heights ranging from 0.375 in. (9.525 mm) to 2.0 in. (50.8 mm).

### COMMON JOHNSON SCREENS SHAPED SUPPORT RODS



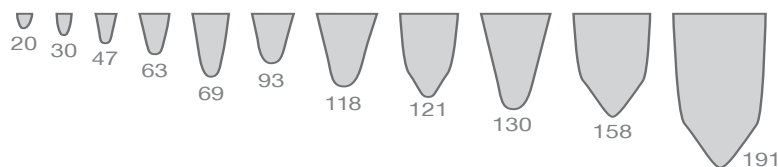
Johnson Screens shaped support rods range in widths from 0.029 in. (0.737 mm) to 0.151 in. (3.835 mm) and heights ranging from 0.102 in. (2.591 mm) to 0.120 in. (3.048 mm).

### OPEN AREA CALCULATIONS

To calculate the open area of a certain screen, use the simple formula provided:

$$\text{Open Area (\%)} = \frac{\text{Slot size} \times 100}{\text{Slot size} + \text{Wire width}}$$

### JOHNSON SCREENS VEE-WIRE® PROFILES



Johnson Screens Vee-Wire Profile wires range in widths from 0.020 in. (0.508 mm) to 0.195 in. (4.953 mm) and heights ranging from 0.040 in. (1.016 mm) to 0.363 in. (9.220 mm). Other wire shapes (Tri-Wire, Iso-Wire, Iso-Grizzly Wire, Grizzly-Wire, and more) also available.

