




## Copper-Nickel Water Intake Screens

Hendrick offers Profile Bar  and Resistance Welded Wedge Wire water intake screens that are made with copper-nickel. Copper-nickel differs from other alloys, delivering practical and economical advantages with high reliability. Hendrick uses 90/10 and 70/30 copper-nickel alloys, which are widely used for sea water applications and environments where zebra mussels are present.

### Benefits

#### ■ ADDED CORROSION RESISTANCE

If marine corrosion is a concern, especially in salt-water conditions, water intake screens made from copper-nickel will minimize the corrosion rate. Failure due to stress corrosion cracking (SCC), crevice and general corrosion is greatly reduced.

#### ■ RESISTANCE TO BIOFOULING

The accumulation of biological matter on the intake screen can restrict water flow, decreasing its efficiency. Copper-nickel is proven to provide an unwelcoming environment for organisms, leading to reduced biofouling and increased performance.



*Hendrick's copper-nickel intake screens are corrosion resistant and decreases biofouling, making it an economical advantage for water intake applications.*

### Hendrick's Intake Screens

Hendrick's water intake screens provide a flexible, cost effective design to withdraw water from lakes, rivers, streams and reservoirs. Our proprietary Profile Bar and Resistance Welded designs lead to less debris and clogging for a consistent water flow. Our screens are 316(b) compliant and are approved by the National Marine Fisheries Service (NMFS).

- T-Intake Screens
- Half-Barrel Intakes\*
- Drum Screens
- Flat Panels
- Available in Passive and Self-Cleaning Options

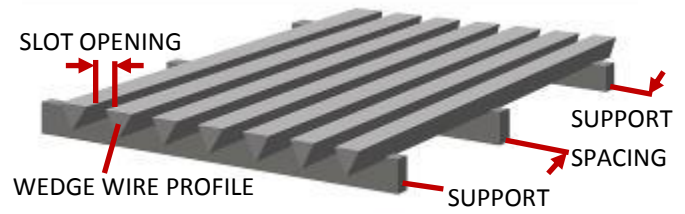
\* U.S. Patent HSC 003 UAUS1



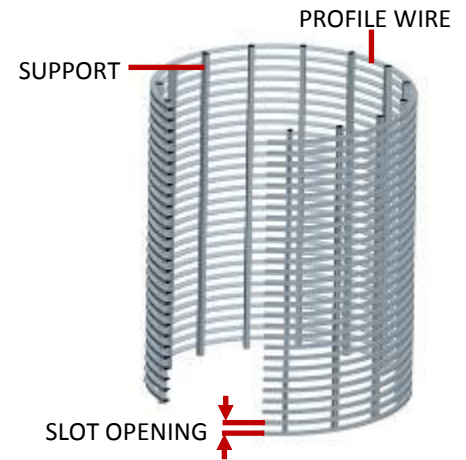
# Wedge Wire Construction

Intake Screen, Drum Screen and Half-Barrel Construction

## FLATTENED VIEW



## CYLINDRICAL VIEW



### Wedge Wire Profile

*Images are not to scale*

	30V	47V	60V	69SV	69V	90V	125V	130V
Width	.032	.047	.060	.069	.069	.090	.125	.130
Height	.075	.098	.100	.125	.185	.150	.200	.310
Relief Angle	6.5°	10°	13°	10°	6°	13°	13°	8°

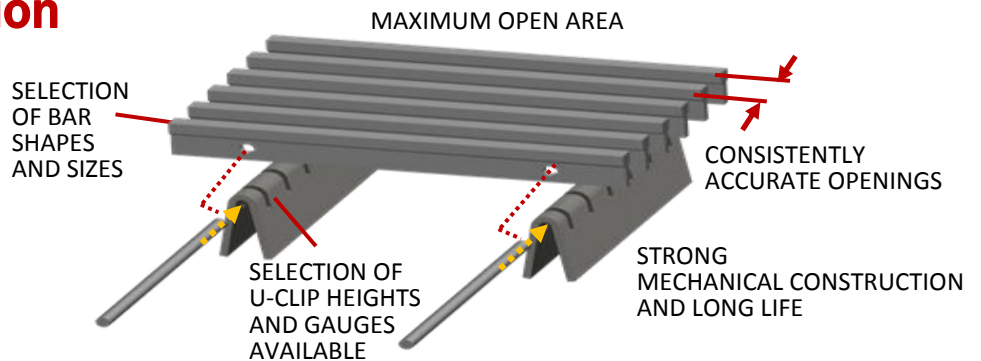
### Support

*Images are not to scale*

	.070 x .50	.070 x .75	.070 x 1	90Q	L90Q	130Q	130QT	.118 x .185
Width	.070	.070	.070	.090	.090	.118	.118	.118
Height	.500	.750	1.000	.160	.125	.197	.272	.185

# Profile Bar Construction

Optional Construction for Flat Panels



### Profile Bar

*Images are not to scale*

	B69	B6S	B6	B9S	B9	B12	T9M	T9	F12	T12	T16	T24
Width	.069	.093	.093	.140	.140	.187	.140	.140	.187	.187	.250	.500
Height	.290	.290	.375	.320	.375	.500	.453	.453	.500	.500	.750	.750
Cap Height	.080	.080	.093	.110	.125	.156	.125	.203	.185	.188	.250	.250

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