

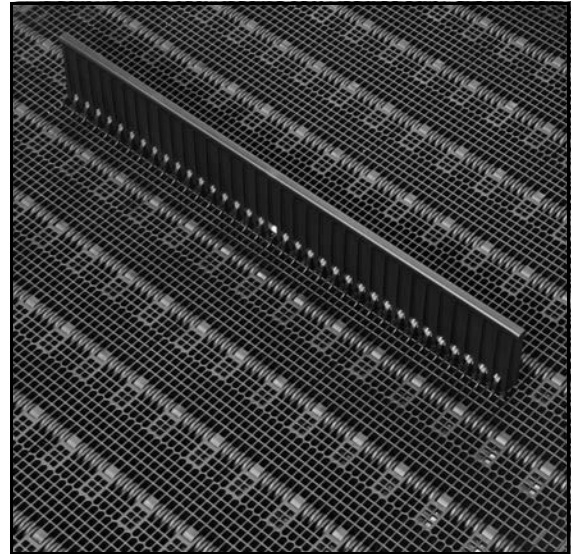
Product Line Extension

Series 6000 Flush Grid Engineered Polymer Screen

The Hydrolox Series 6000 Flush Grid Engineered Polymer Screen substantially reduces capital and operating costs in screening applications, such as cooling water intakes.

The Series 6000 Flush Grid screen is available with both 3-piece debris flights and 3-piece Ristroph-style fish buckets, which may be interchanged to help power companies comply with regulations for reducing fish impingement and entrainment. Flights can be placed at various distances on the Series 6000 Flush Grid screen to prevent debris carryover. The 3-piece flight and bucket designs allow end users to perform on-site maintenance without costly screen removal. Installation is also simplified as the screens are designed to fit into existing slots for traditional steel vertical traveling screens.

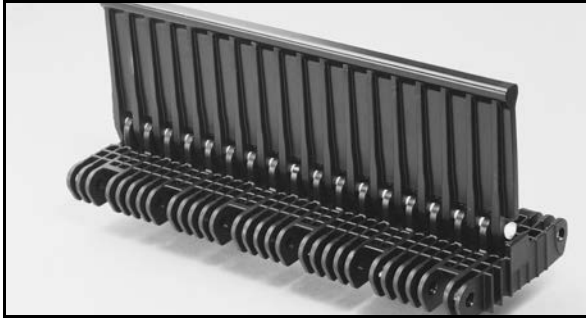
- Screen life in abrasive applications is at least five times longer than that of steel vertical traveling screens.
- Screen is designed to operate at up to 5.0 ft (1.5 m) of head differential.
- Slot opening design and smooth screen surface facilitate effective cleaning.
- Reduces maintenance needs and corresponding costs.
- Light screen weight and low maintenance improve worker safety.



Contact us today for a sample of this new product or for more information.


3-Piece Debris Flight

Available Flight Height		Material
in.	mm	
4	102	Engineered Polymer
Note: Flights consist of 3 pieces: the base module, the attachment, and the rod.		
Note: Flight surface has 0% open area and a No-Cling surface. The base module has the S6000 FG design.		
Note: The minimum indent is 4 in. (102 mm).		



3-Piece Ristroph-Style Fish Bucket

Available Bucket Height		Material
in.	mm	
3.8	96.5	Engineered Polymer
Note: Buckets consist of 3 pieces: the base module, the attachment, and the rod.		
Note: The minimal indent is 4 in. (102 mm). The recommended indent is 6 in. (152 mm).		



HYDROLOX

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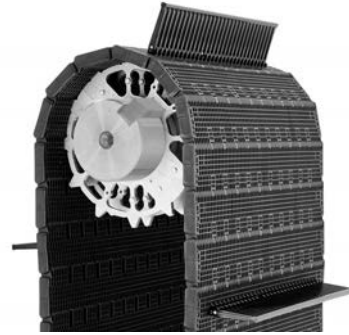
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Product Line Extension

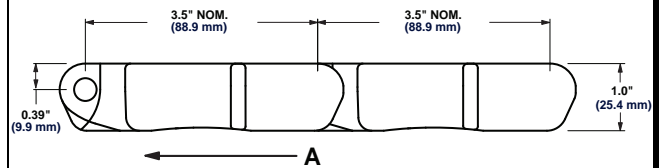
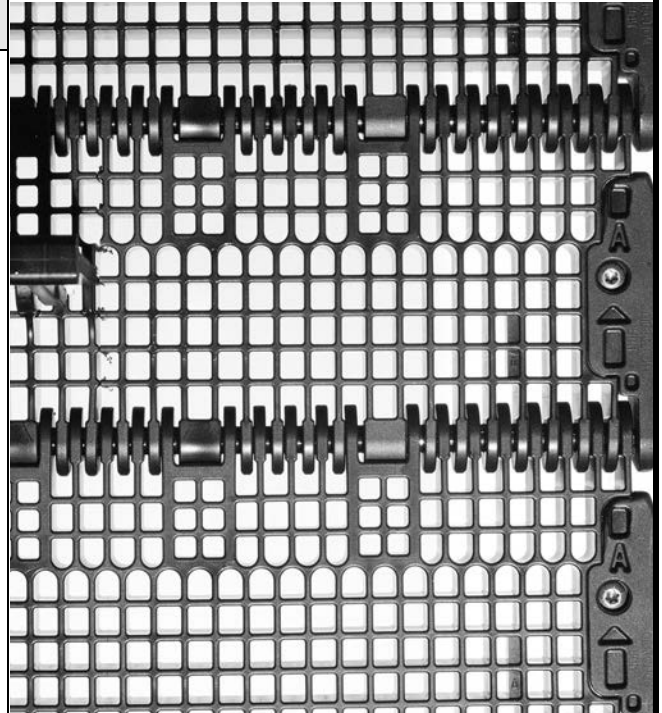
Engineered Polymer Screen

	in.	mm
Pitch	3.5	88.9
Minimum Width	10	254
Width Increments	2.0	50.8
Opening Size (approximate)	0.25 x 0.30	6.35 x 7.62
Open Area	48%	
Hinge Style	Closed	
Drive Method	Hinge-Driven	



Product Notes

- Always check with customer service for precise screen width measurement and stock status before designing a screen or ordering a belt.
- Contact Hydrolox technical support for strength requirements, frame guidelines, etc.
- Flush edges with recessed rods prevent edge damage and rod migration.
- Made of corrosion-resistant polymer.
- A T20 Torx driver is needed to remove the screw that holds the endcap to the belt edge.
- Minimum sprocket spacing distance is 2 in. (50.8 mm) and is recommended for an adjusted belt pull greater than 1500 lb/ft (2232 kg/m). Maximum sprocket spacing distance is 6 in. (152.4 mm).



A - Run Direction

Belt Data


Belt Material	Standard Rod Material Ø 0.31 in. (7.9 mm)	BS Belt Strength ^a		Temperature Range (continuous)		W Belt Weight	
		lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²
Engineered Polymer	Engineered Polymer	3000	4464	-50 to 240	-46 to 116	2.4	11.7

^a Belt strength of 4000 lbs/ft (5953 kg/m) for spike loads.

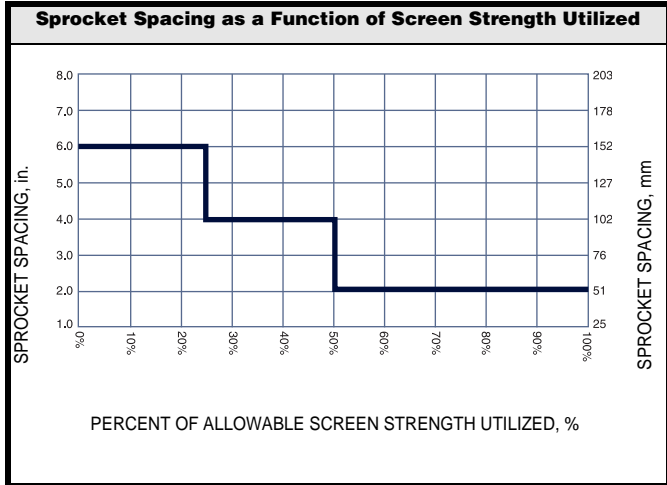
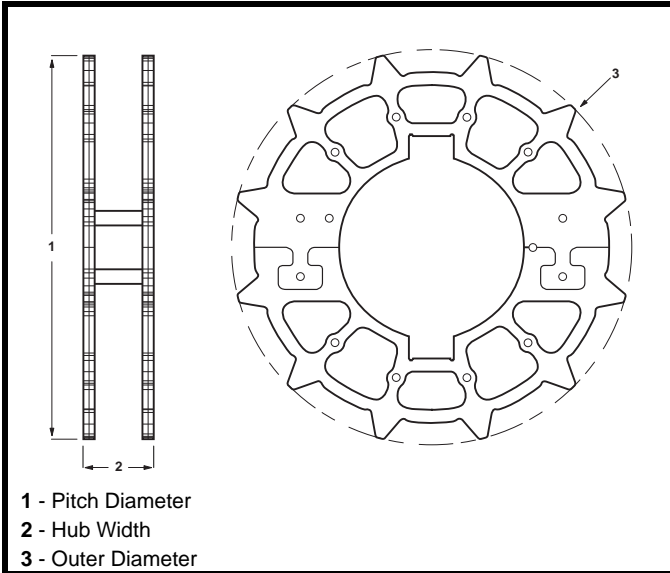
Product Line Extension

Metal Sprocket Assembly Data

No. of Teeth (Chordal Action)	Nom. Pitch Dia. in.	Nom. Pitch Dia. mm	Nom. Outer Dia. in.	Nom. Outer Dia. mm	Nom. Hub Width in.	Nom. Hub Width mm	Available Bore Sizes			
							U.S. Sizes		Metric Sizes	
							Round in.	Square in.	Round mm	Square mm
12 (3.412%)	13.5	342.9	13.6	345.4	2.9	73.7	5, 6.25	3.5	127, 158.8	88.9



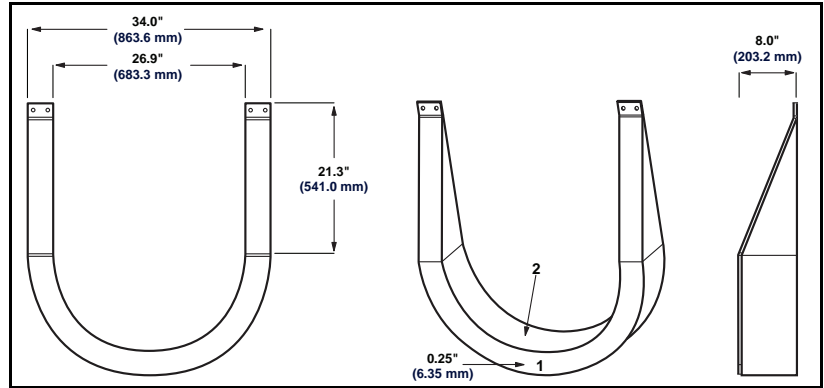
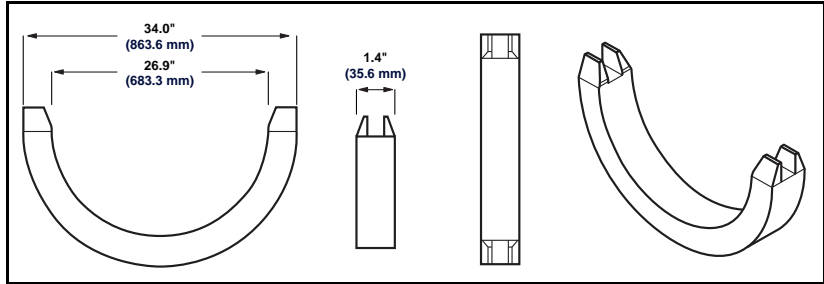
Sprocket Description		A		B		C		E		
Pitch Diameter		No. Teeth	Range (Bottom to Top)		in.	mm	in.	mm	in.	mm
in.	mm		in.	mm						
13.5	343	12	5.9	150	4.0	102	13.3	338	7.2	183



Product Line Extension

Patented Boot Seal

Intralox's patented boot seal for the Series 6000 screen provides the best protection available to prevent aquatic life and/or debris from passing underneath the bottom of the screen. As debris flights or fish buckets rotate around the bottom of the screen, the boot seal ensures that there is no opening larger than the size of the screen mesh.



- 1 - Plastic Plate
- 2 - Foam

